

# SERVICE MANUAL

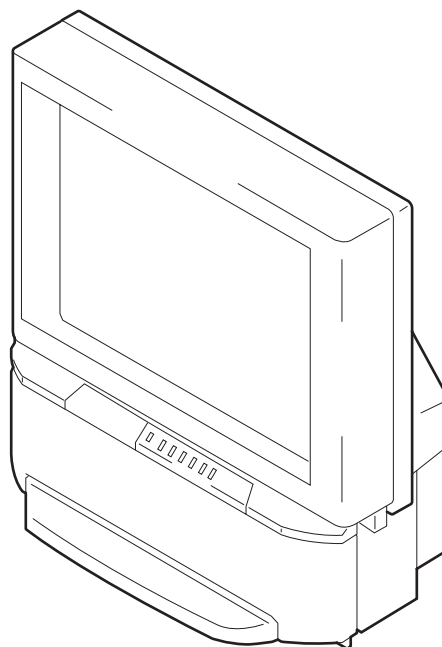
## RA-3 CHASSIS

| <u>MODEL</u>    | <u>COMMANDER</u> | <u>DEST.</u>    | <u>CHASSIS NO.</u> |
|-----------------|------------------|-----------------|--------------------|
| <i>KP-48V80</i> | <i>RM-Y905</i>   | <i>US</i>       | <i>SCC-P14CA</i>   |
| <i>KP-48V80</i> | <i>RM-Y905</i>   | <i>Canadian</i> | <i>SCC-P14CA</i>   |
| <i>KP-53V80</i> | <i>RM-Y905</i>   | <i>US</i>       | <i>SCC-P14AA</i>   |
| <i>KP-53V80</i> | <i>RM-Y905</i>   | <i>Canadian</i> | <i>SCC-P14AA</i>   |

| <u>MODEL</u>    | <u>COMMANDER</u> | <u>DEST.</u>    | <u>CHASSIS NO.</u> |
|-----------------|------------------|-----------------|--------------------|
| <i>KP-61V80</i> | <i>RM-Y905</i>   | <i>US</i>       | <i>SCC-P14BA</i>   |
| <i>KP-61V80</i> | <i>RM-Y905</i>   | <i>Canadian</i> | <i>SCC-P14BA</i>   |



RM-Y905



KP-48V80/53V80/61V80



\* Please file according to model size. .... ☐

☐ 48 ☐ 53 ☐ 61

COLOR REAR VIDEO PROJECTOR  
**SONY**®

# KP-48V80/53V80/61V80

RM-Y905 RM-Y905 RM-Y905

## SPECIFICATIONS

### Projection system

3 picture tubes, 3 lenses, horizontal in-line system

### Picture tube

7-inch high-brightness monochrome tubes (6.3 raster size),  
with optical coupling and liquid cooling system

### Projection lenses

High performance, large diameter hybrid lens F1.05

### Television system

American TV standard

### Channel coverage

VHF: 2–13/UHF: 14–69/CATV: 1–125

### Antenna

75 ohm external terminal for VHF/UHF

### Screen size (measured diagonally)

48 inches (KP-48V80)

53 inches (KP-53V80)

61 inches (KP-61V80)

### Inputs/outputs

VIDEO 1/3 IN

VIDEO 2 INPUT

S VIDEO IN (4-pin mini DIN):

Y: 1 Vp-p, 75-ohms unbalanced, sync negative

C: 0.286 Vp-p (Burst signal), 75 ohms

VIDEO (phono jack): 1 Vp-p, 75-ohms unbalanced, sync negative

AUDIO (phono jacks): 500 mVrms (100% modulation),  
Impedance: 47 kilohms

### VIDEO 4/5 IN

Y: 1 Vp-p, 75 ohms, sync negative

PB: 0.7 Vp-p, 75 ohms

PR: 0.7 Vp-p, 75 ohms

AUDIO (phono jacks): 500 mVrms (100% modulation),  
Impedance: 47 kilohms

### TV OUT/MONITOR OUT

VIDEO (phono jack): 1 Vp-p, 75-ohms unbalanced, sync negative

AUDIO (phono jacks): 500 mVrms (100% modulation),  
Impedance: 470 ohms

UDIO (VAR/FIX) OUT (phono jacks): 500 mVrms (100% modulation),  
Impedance: 470 ohms

**S-LINK:** minijacks

**CONTROL S OUT:** minijack

### Speaker

Tweeter: 66 mm (2 5/8") x 2

Woofer: 130 mm (5 1/8") x 2 (KP-48V80/53V80)

160 mm (6 3/8") x 2 (KP-61V80)

### Speaker output

20 W x 2

### Power requirement

120 V AC, 60 Hz

### Power consumption

In use (Max.): 170 W

In standby: 1 W

### Dimensions (W/H/D)

1,105 x 1,338 x 579 mm (43 1/2 x 52 5/8 x 22 3/4 inches)  
(KP-48V80)

1,216 x 1,417 x 632 mm (47 7/8 x 55 3/4 x 24 7/8 inches)  
(KP-53V80)

1,370 x 1,560 x 670 mm (54 x 61 3/8 x 26 3/8 inches)  
(KP-61V80)

### Mass

68.8 kg (151 lbs 11 oz) (KP-48V80)

76.0 kg (167 lbs 9 oz) (KP-53V80)

93.6 kg (206 lbs 6 oz) (KP-61V80)

### Supplied accessories

Remote control RM-Y905 (1)

Batteries (2) size AA (R6)

### Optional accessories

Connecting cables

RK-G34, RK-74A, RK-G69HG, VMC-10HG,

VMC-720M, VMC-810S/820S, YC-15V/30V

U/V mixer EAC-66

Design and specifications are subject to change without notice.

## SAFETY CHECK-OUT

( US model only )

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
5. Look for parts which, through functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
6. Check the line cords for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
7. Check the condition of the monopole antenna (if any). Make sure the end is not broken off, and has the plastic cap on it. Point out the danger of impalement on a broken antenna to the customer, and recommend the antenna's replacement.
8. Check the B+ and HV to see they are at the values specified. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
9. Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

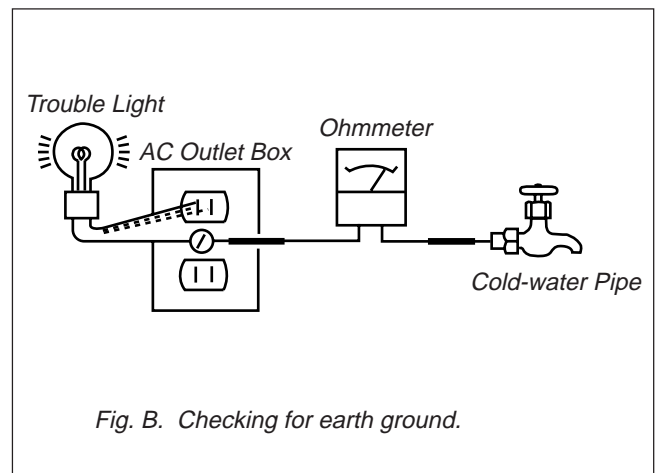
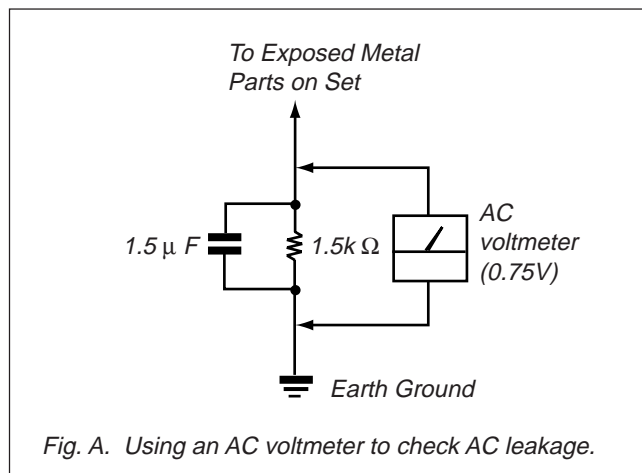
## LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

## HOW TO FIND A GOOD EARTH GROUND

A cold-water pipe is guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth-ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms. If a cold-water pipe is not accessible, connect a 60-100 watts trouble light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side of the line, the lamp should light at normal brilliance if the screw is at ground potential. (See Fig. B)



## SELF DIAGNOSIS FUNCTION

### 1. Summary of Self-Diagnosis Function

- This device includes a self-diagnosis function.
- In case of abnormalities, the TIMER/STANDBY indicator automatically blinks. It is possible to predict the abnormality location by the number of blinks. The Instruction Manual describes blinking of the TIMER/STANDBY indicator.
- If the symptom is not reproduced sometimes in case of a malfunction, there is recording of whether a malfunction was generated or not. Operate the remote command to confirm the matter on the screen and to predict the location of the abnormality.

### 2. Diagnosis Items and Prediction of Malfunction Location

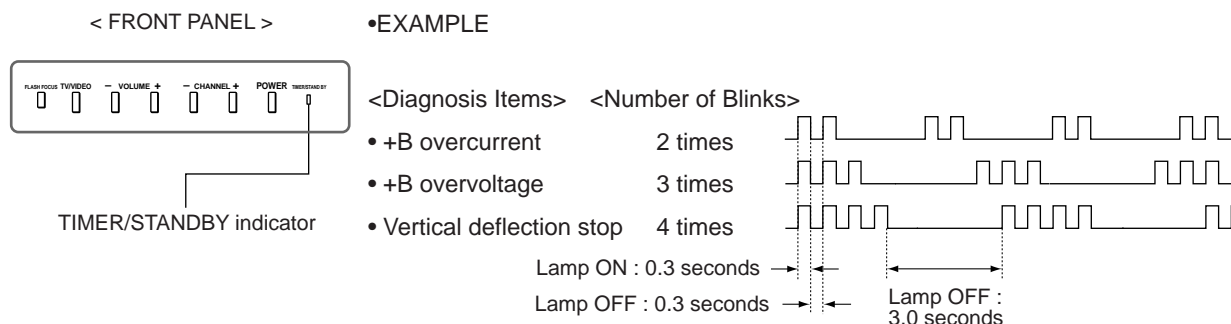
- When a malfunction occurs the TIMER/STANDBY indicator only blinks for one of the following diagnosis items. In case of two or more malfunctions, the item which first occurred blinks. If the malfunctions occurred simultaneously, the item with the lower blink count blinks first.
- The screen display displays the results regarding all the diagnosis items listed below. The display “ 0 ” means that no malfunctions occurred.

| Diagnosis item                  | TIMER/STANDBY Indicator<br>Number of blinks | Supposed malfunction  | Condition  | Self-diagnosis screen display,<br>Diagnosis item: Results |
|---------------------------------|---|---|--|---|
| • Power not ON                  | 0   | [Standby Power Supply System]<br>F601 open.<br>R607 open.<br>Q601 short circuit<br>[Main Power Supply System]<br>IC601 and R612 are broken.<br>VDR601 short-circuit | Cannot turn on the power.<br>LED doesn't blink.                                      |   |
| +B OCP detection                | 2 times                                     | Short circuit of power supply system in each circuit.   | Goes to the standby mode<br>Short circuit of +B line                                 | 2 : +B OCP 000  |
| +B OVP detection                | 3 times                                     | T603 pin 78 open.<br>R672 open.   | Goes to the standby mode<br>Malfunction of power supply circuit                      | 3 : +B OVP 000  |
| Vertical deflection stop        | 4 times                                     | IC1509(V out) is broken.<br>Q1505(V Pulse Buffer) is broken.  | Raster goes to one line horizontally, A and then video signal is muted.              | 4 : V Stop 000  |
| Video out abnormality detection | 5 times                                     | Video out, Q705, 732, 761 and others in C board circuit.<br>Q218, 219, 220 (A board)  | TIMER/STANDBY LED blinks approx. 30 seconds, and then blinks for the self diagnosis. | 5 : AKB 000   |
| Horizontal deflection stop      | 6 times                                     | C515, 516 open.<br>IC206(YC Jungle) is broken.  | Raster doesn't appear.   | 6 : H Stop 000  |
| Audio abnormality detection     | 8 times                                     | IC406(Audio amp.) is broken.<br>PS401, 402 open.  | The sound is not out.<br>Goes to the standby mode                                    | 8 : Audio 000   |

\* : 000 the range of values for number of operations is 000-255. For 256 or higher there is no count up and the number remains at 255.

### 3. Blinking count display of TIMER/STANDBY indicator

\* One blink is not used for self-diagnosis.



#### Release of TIMER/STANDBY indicator blinking.

- The TIMER/STANDBY indicator blinking display is released by turning OFF the power switch on the TV main unit or removing the plug from the power.

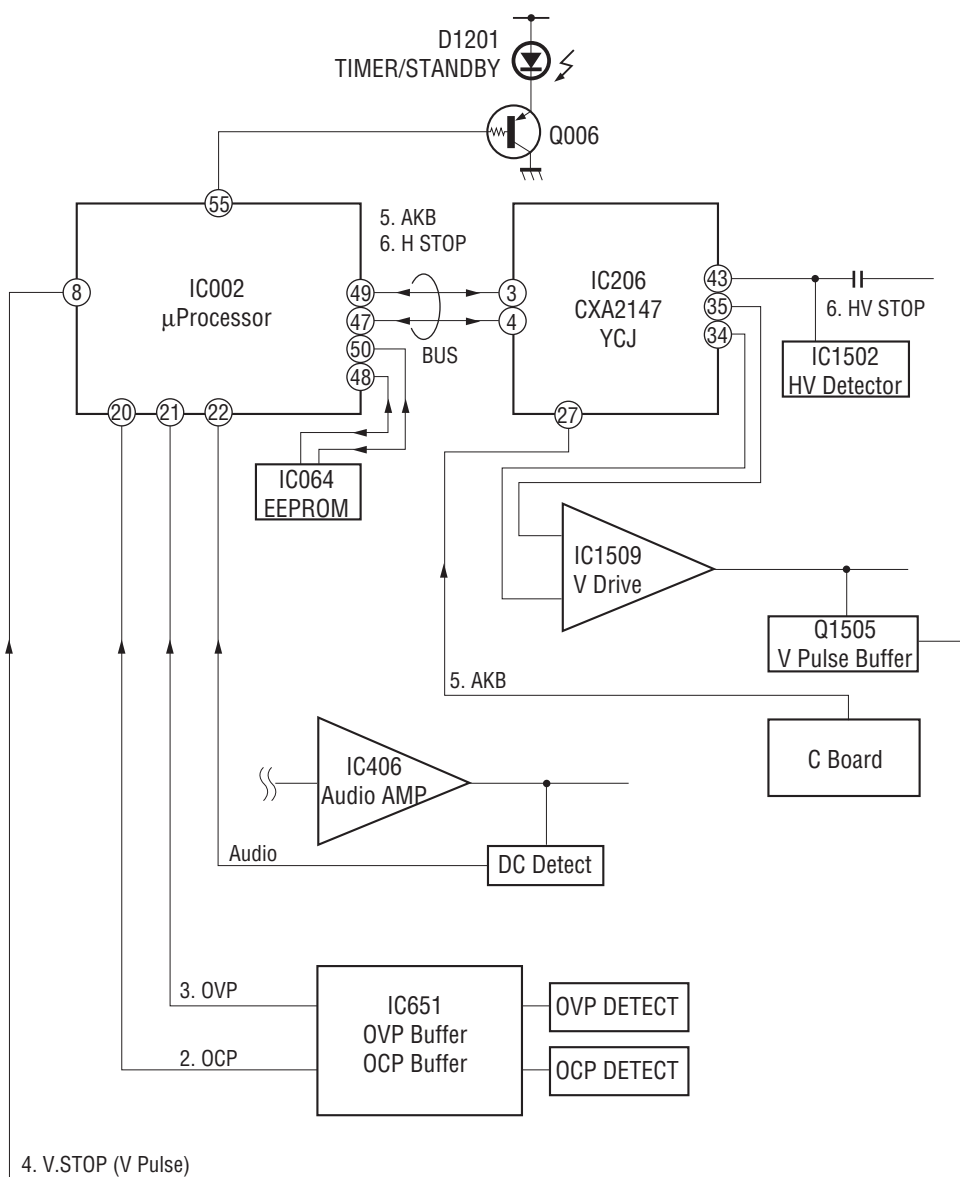




## 6. Self-diagnosis function operation

- OCF** Low B and +B line detect DET SHORT, and shut-down POWER ON RELAY.  
Reset by turning power on/off.  
In case of +B is loaded approx. 2A or more, microcomputer detects it via IC651.
- OVP** In case of +B becomes approx. 150V or more, POWER ON RELAY shuts down and microcomputer detects it via IC651.  
Reset by turning power on/off just the same as OCP.
- V Stop** In case of microcomputer detects 2 seconds or more interval of V Pulse, Reference Pulse turns off by turning off the picture signal in YC Jungle IC (IC206).  
After the picture signal turns off, H Pulse is regenerated 2 seconds or more, the picture signal turns on.
- AKB** IK detection. Makes LED blinking in case of microcomputer doesn't detect IK returns of IC206 CXA2147Q 30 seconds or more.
- H Stop** In case of HV becomes 33kV or more, IC502 detects it and shut-down H Drive Pulse.  
Microcomputer receives H Stop data from IC206 and makes LED blinking.
- Audio** In case of DC component overlaps the output of Audio Amp., microcomputer detects it and makes LED blinking.  
Microcomputer forces to shut down the power.

## Self-diagnosis block diagram



## TABLE OF CONTENTS

| Section   | Title                         | Page | Section  | Title | Page |
|---|-------------------------------|------|--|-------|------|
|   | SELF DIAGNOSIS FUNCTION ..... | 4    |  |       |      |
| <b>1. GENERAL</b>                                       |                               |      | <b>5. CIRCUIT ADJUSTMENTS</b>  |       |      |
| Using This Manual .....                                 | 9                             |      | 5-1. TV Input Sub Contrast Adjustment (VPNT-SCON) .....  | 53    |      |
| Precautions .....                                       | 9                             |      | 5-2. "Video Input Sub-HUE and Sub-Color Adjustment (VPNT-SHUE, SCOL)" .....                      | 53    |      |
| Installing and Connecting the Projection TV .....       | 9                             |      | 5-3. "Component Input Sub-HUE and Sub-Color Adjustment (DAC-UVSH, UVSC)" .....                   | 53    |      |
| Basic Set Up .....                                      | 17                            |      | 5-4. P & P Sub Contrast Adjustment (SC-SYDR) .....   | 53    |      |
| Using Your New Projection TV .....                      | 18                            |      | 5-5. "Sub-HUE, Sub-Color and Main Contrast Adjustment" "(MC-MYDR, MSHU, MSCL, SC-SSHU, SSCL)" .. | 54    |      |
| Adjusting Your SET UP (menus) .....                     | 22                            |      | 5-6. Bar Display Position Adjustment (OP-DISP) .....   | 54    |      |
| Operating Video Equipment .....                         | 33                            |      | 5-7. "PIP Acquisition Area Adjustment (PP-MAHP, SAHP)" .....                                     | 54    |      |
| Operating a Cable Box or Satellite Receiver (SAT) ..... | 34                            |      | 5-8. Display Position for Channel Index Mode (CCDCCHP) .....                                     | 54    |      |
| Troubleshooting .....                                   | 35                            |      |  |       |      |
| <b>2. DISASSEMBLY</b>                                   |                               |      | <b>7. EXPLODED VIEWS</b>   |       |      |
| 2-1. Rear Board Removal .....                           | 36                            |      | 6-1. Block Diagram (1) .....   | 55    |      |
| 2-2. Chassis Assy Removal .....                         | 36                            |      | Block Diagram (2) .....  | 57    |      |
| 2-3. Service Position .....                             | 36                            |      | Block Diagram (3) .....  | 59    |      |
| 2-4. HA Board and HB Board Removal .....                | 36                            |      | Block Diagram (4) .....  | 63    |      |
| 2-5. Mirror Cover Removal .....                         | 37                            |      | Block Diagram (5) .....  | 67    |      |
| 2-6. Beznet Assy Removal .....                          | 37                            |      | Block Diagram (6) .....  | 69    |      |
| 2-7. HC Board and S Board Removal .....                 | 37                            |      | 6-2. Frame Schematic Diagram .....   | 71    |      |
| 2-8. U Board and Terminal Board Removal .....           | 37                            |      | 6-3. Circuit Boards Location .....   | 74    |      |
| 2-9. A Board and G Board Removal .....                  | 38                            |      | 6-4. Printed Wiring Boards and Schematic Diagrams .....  | 74    |      |
| 2-10. Picture Tube Removal .....                        | 38                            |      | • A (1/3)Board .....   | 75    |      |
| 2-11. High-Voltage Cable Installation and Removal ..... | 38                            |      | • A (2/3)Board .....   | 79    |      |
|   |                               |      | • A (3/3)Board .....   | 83    |      |
| <b>3. SET-UP ADJUSTMENTS</b>                            |                               |      | • G Board .....  | 91    |      |
| 3-1. Screen Voltage Adjustment (Rough Alignment) .....  | 39                            |      | • U Board .....  | 101   |      |
| 3-2. Focus Lens Adjustment .....                        | 39                            |      | • CG Board .....   | 105   |      |
| 3-3. Screen (G2) Adjustment .....                       | 39                            |      | • CR Board .....   | 106   |      |
| 3-4. Focus VR Adjustment .....                          | 39                            |      | • CB Board .....   | 107   |      |
| 3-5. Deflection York Tilt Adjustment .....              | 40                            |      | • HA Board .....   | 109   |      |
| 3-6. "2-Pole Magnet Adjustment (Green, Red)" .....      | 40                            |      | • HC Board .....   | 109   |      |
| 3-7. 4-Pole Magnet Adjustment .....                     | 40                            |      | • HB Board .....   | 110   |      |
| 3-8. Defocus Adjustment (Blue) .....                    | 40                            |      | 6-5. Semiconductors .....  | 111   |      |
| 3-9. Electrical Adjustment by Remote Commander .....    | 41                            |      |  |       |      |
| 3-10. Registration Adjustment .....                     | 46                            |      | <b>7. EXPLODED VIEWS</b>   |       |      |
| 3-11. Auto Registration Error Code List .....           | 49                            |      | 7-1. Cover (KP-48V80) .....  | 113   |      |
| <b>4. SAFETY RELATED ADJUSTMENTS</b>                    |                               |      | 7-2. Cover (KP-53V80/61V80) .....  | 114   |      |
| 4-1. HV Regulation Circuit Check and Adjustment .....   | 51                            |      | 7-3. Chassis .....   | 115   |      |
| 4-2. HV Hold Down Circuit Operation and Adjustment ..   | 51                            |      | 7-4. Picture Tube .....  | 116   |      |
| 4-3. +B Max Voltage Confirmation .....                  | 51                            |      |  |       |      |
| 4-4. +B OVP Confirmation .....                          | 52                            |      | <b>8. ELECTRICAL PARTS LIST</b> .....  | 117   |      |

**(CAUTION)**

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

**WARNING!!**

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.

THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

**SAFETY-RELATED COMPONENT WARNING!!**

COMPONENTS IDENTIFIED BY SHADING AND MARK  $\triangle$  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

**(ATTENTION)**

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

**ATTENTION!!**

AFIN D'EVITER TOUT RISQUE DELECTROCUTION PROVENANT D'UN CHÂSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DEPANNAGE.

LE CHÂSSIS DE CE RECEPTEUR EST DIRECTEMENT RACCORDÉ À L'ALIMENTATION SECTEUR.

**ATTENTION AUX COMPOSANTS RELATIFS À LA SÉCURITÉ!!**

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET PAR UNE MAPQUE  $\triangle$  SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIÉCES CONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÉCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY. LES RÉGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT SONT IDENTIFIÉS DANS LE PRÉSENT MANUEL. SUIVRE CES PROCÉDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONCTIONNEMENT EST SUSPECTÉ.

# SECTION 1

## GENERAL

KP-48V80/53V80/61V80  
RM-Y905 RM-Y905 RM-Y905

The operating instructions mentioned here are partial abstracts from the Operating Instructions Manual. The page numbers of the Operating Instruction Manual remain as in the manual. (Part no : 3-806-564-11)

### Using This Manual

We recommend that you carefully review the contents of the following four sections in the order provided to ensure that you fully understand the operation of your new projection TV.

#### 1 Installing and Connecting the Projection TV

This section guides you through your initial set up. It shows you how to install your projection TV, to connect your new components and to connect to the antenna and cable.

#### 2 Basic Set Up

This section teaches you the basic skills needed to operate your new projection TV, including Auto Set Up. It shows you how to operate the remote control's special functions.

#### 3 Using Your New Projection TV

This section shows you how to begin using your new projection TV. It shows you how to use your remote control's features.

#### 4 Adjusting Your Set Up (menus)

This section teaches you how to access on-screen menus and adjust your projection TV's settings.

*Instructions in this manual are written for the remote control. Similar controls may be found on the projection TV console.*

2

### Precautions

#### Safety

- Operate the projection TV only on 120 V AC.
- The plug is designed, for safety purposes, to fit into the wall outlet only one way. If you are unable to insert the plug fully into the outlet, contact your dealer.
- If any liquid or solid object should fall inside the cabinet, unplug the projection TV immediately and have it checked by qualified service personnel before operating it further.
- If you will not be using the projection TV for several days, disconnect the power by pulling the plug itself. Never pull on the cord.

*For details concerning safety precautions, see the supplied leaflet "IMPORTANT SAFEGUARDS."*

#### Note on cleaning

Clean the cabinet of the projection TV with a dry soft cloth. To remove dust from the screen, wipe it gently with a soft cloth. Stubborn stains may be removed with a cloth slightly dampened with solution of mild soap and warm water. Never use strong solvents such as thinner or benzine for cleaning.

If the picture becomes dark after using the projection TV for a long period of time, it may be necessary to clean the inside of the projection TV. Consult qualified service personnel.

### Installing and Connecting the Projection TV

#### Installing

- To prevent internal heat buildup, do not block the ventilation openings.
- Do not install the projection TV in a hot or humid place, or in a place subject to excessive dust or mechanical vibration.
- Avoid operating the projection TV at temperatures below 5° C (41° F).
- If the projection TV is transported directly from a cold to a warm location, or if the room temperature changes suddenly, the picture may be blurred or show poor color. In this case, please wait a few hours to let the moisture evaporate before turning on the projection TV.
- To obtain the best picture, do not expose the screen to direct illumination or direct sunlight. It is recommended to use spot lighting directed down from the ceiling or to cover the windows that face the screen with opaque drapery. It is desirable to install the projection TV in a room where the floor and walls are not of a reflective material.

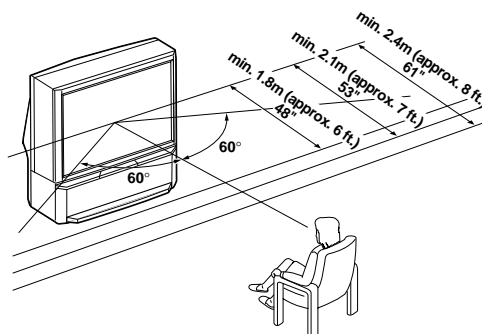
#### Carrying Your Projection TV

Carrying the projection TV requires three or more people.

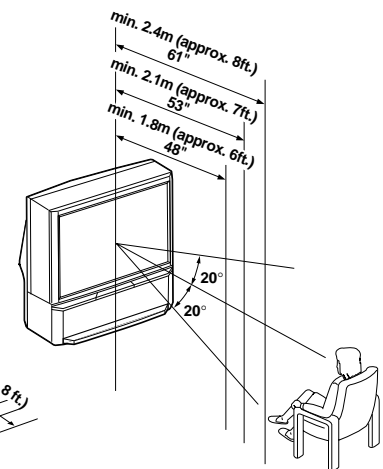
The projection TV has been equipped with casters for easy movement on a hard surface. Please move your projection TV using the casters.

#### Installing the Projection TV

##### Recommended viewing area (Horizontal)



##### Recommended viewing area (Vertical)



3

## Installing and Connecting the Projection TV (continued)

### Connector Types

You may find it necessary to use some of the following connector types during set up.

#### Coaxial cable

Standard TV cable and antenna cable

##### Plug Type

 Push into connection.

##### Screw-on Type

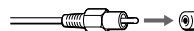
 Screw into connection.

#### S Video cable

High quality video cable for enhanced picture quality

 Align guides and push into connection.

#### Audio/Video cable

 Push into connection.

Video - Yellow

Audio (Left) - White

Audio (Right) - Red

Some DVD Players and DTV Receivers are equipped with the following three video connectors.


Y - Green

P<sub>B</sub> (C<sub>B</sub>, C<sub>b</sub> or B-Y) - Blue

4 P<sub>R</sub> (C<sub>R</sub>, C<sub>r</sub> or R-Y) - Red

#### S-Link/CONTROL S cable

Sony cable for S-Link and CONTROL S connections. These features are exclusive to Sony products and allow greater control of all Sony equipment.

 Push into connection.

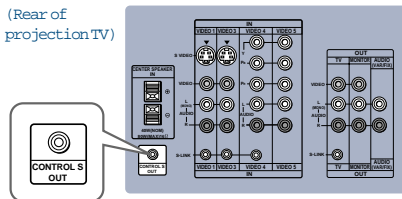
##### Note:

- For S-Link and CONTROL S connections, you can use the combined S-Link / CONTROL S cable provided with some Sony video equipment, or you can purchase a separate S-Link / CONTROL S cable (RK-G69HG).

#### About the CONTROL S OUT jack

To control other Sony equipment with the projection TV's remote control, connect the CONTROL S IN jack of the equipment to the CONTROL S OUT jack on the projection TV with the CONTROL S cable.

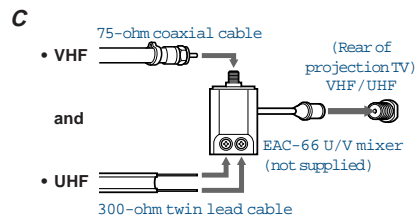
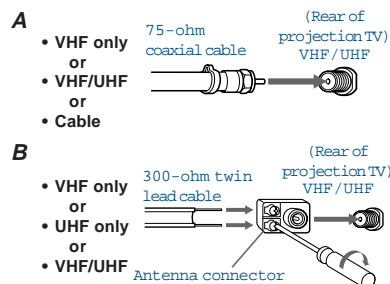
(Rear of projection TV)



### Making Connections

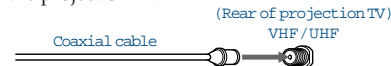
#### Connecting directly to a cable or an antenna

The connection you choose will depend on the cable found in your home. Newer homes will be equipped with standard coaxial cable (see **A**); older homes will probably have 300-ohm twin lead cable (see **B**); still other homes may contain both (see **C**). Use 75-ohm coaxial cable for improved picture quality (see **A**).



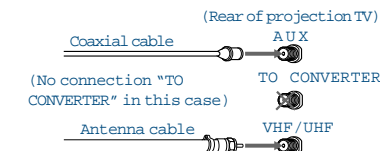
#### Cable or antenna

This is the simplest connection. Connection is made directly from the cable or antenna to the projection TV.



#### Cable and antenna

You may find it convenient to use the following set up if your cable provider does not feature local channels that you are able to receive using an antenna.

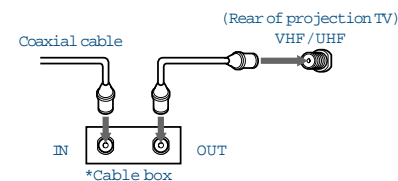


Select Cable or ANT mode by pressing ANT on the remote control.

#### Connecting a cable box

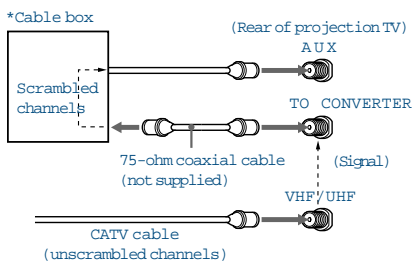
Some pay cable TV systems use scrambled or encoded signals that require a cable box\* to view all channels.

Also, set "Cable" to "On" in the Channel Set Up menu (page 35).



#### Cable box and cable

Some pay cable TV systems use scrambled or encoded signals requiring a cable box\* only for certain channels (e.g. HBO, SHOWTIME, etc.).



For this set up, you can switch between scrambled channels (through your cable box), and normal (CATV) channels by pressing ANT on your remote control.

##### Notes:

- You may be able to program your Sony remote control to operate your cable box. (see "Operating a Cable Box or Satellite Receiver (SAT)" on page 53)
- During PIP, P&P, CHANNEL INDEX or Favorite Channel viewing, the AUX input can only be viewed in the main picture.

**Note:**

- To view scrambled channels through the cable box, select the video input which the cable box is connected to by pressing TV / VIDEO.
- \* If your VCR is not equipped with S VIDEO, use a VIDEO cable (yellow) instead of the S VIDEO cable.
- \*\* If you are connecting a monaural VCR, connect only the single audio output to the left (MONO) input on the projection TV.

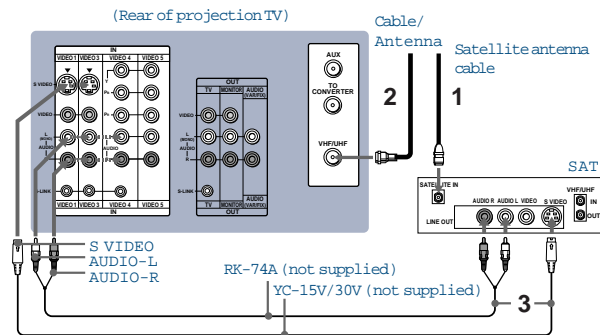
**Connecting a satellite receiver (SAT)**

- Connect the cable from the satellite antenna to the satellite receiver.
- Attach the coaxial cable from the incoming cable connection or antenna to VHF / UHF IN on the projection TV.
- Using AUDIO and S VIDEO cables, connect AUDIO and S VIDEO OUT on the satellite receiver to AUDIO and S VIDEO IN on the projection TV (White-AUDIO Left, Red-AUDIO Right).

**Note:**

- To view input from the satellite receiver, select the video input which the satellite receiver is connected to by pressing TV / VIDEO on the remote control.

*Disconnect all power sources before making any connections.*



7

**Installing and Connecting the Projection TV (continued)**

*Disconnect all power sources before making any connections.*

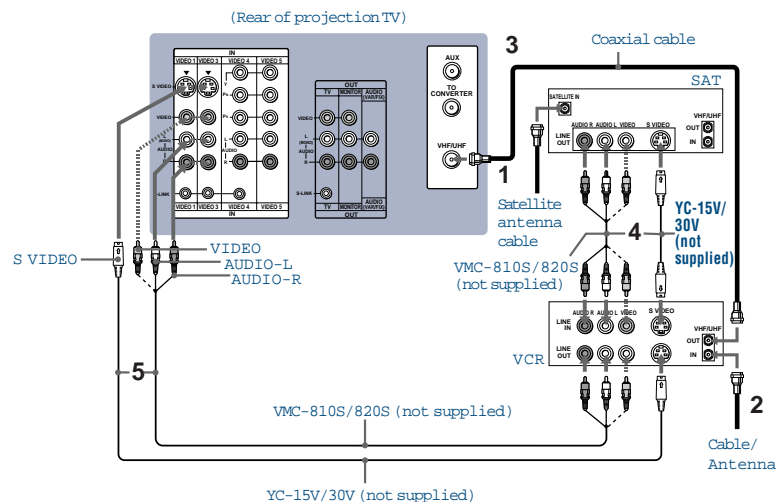
**Connecting a satellite receiver (SAT) and a VCR**

- Connect the cable from the satellite antenna to the satellite receiver.
- Attach the coaxial cable from the incoming cable connection or antenna to VHF / UHF IN on the VCR.
- Using a coaxial cable, connect VHF / UHF OUT on the VCR to VHF / UHF IN on the projection TV.
- Using AUDIO and S VIDEO\* cables, connect AUDIO and S VIDEO OUT on the satellite receiver to AUDIO and S VIDEO IN on the VCR.
- Using AUDIO and S VIDEO\* cables, connect AUDIO and S VIDEO OUT on the VCR to AUDIO and S VIDEO IN on the projection TV (White-AUDIO Left, Red-AUDIO Right).

\*If your VCR is not equipped with S VIDEO, use a VIDEO cable (yellow) instead of the S VIDEO cable.

**Note:**

- To view input from the satellite receiver or VCR, select the video input which your satellite receiver or VCR is connected to by pressing TV / VIDEO on the remote control.



8



## Installing and Connecting the Projection TV (continued)

Disconnect all power sources before making any connections.

### Connecting a satellite receiver (SAT) and a VCR

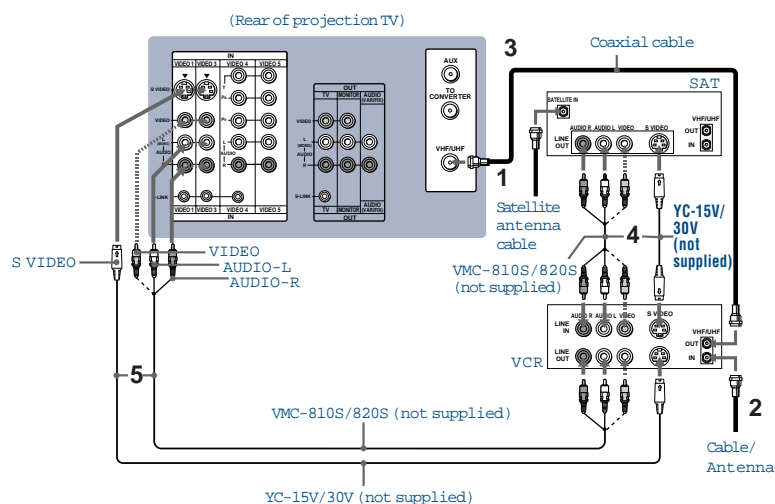
- 1 Connect the cable from the satellite antenna to the satellite receiver.
- 2 Attach the coaxial cable from the incoming cable connection or antenna to VHF/UHF IN on the VCR.
- 3 Using a coaxial cable, connect VHF/UHF OUT on the VCR to VHF/UHF on the projection TV.
- 4 Using AUDIO and S VIDEO\* cables, connect AUDIO and S VIDEO OUT on the satellite receiver to AUDIO and S VIDEO IN on the VCR.
- 5 Using AUDIO and S VIDEO\* cables, connect AUDIO and S VIDEO OUT on the VCR to AUDIO and S VIDEO IN on the projection TV (White-AUDIO Left, Red-AUDIO Right).

\*If your VCR is not equipped with S VIDEO, use a VIDEO cable (yellow) instead of the S VIDEO cable.

#### Note:

- To view input from the satellite receiver or VCR, select the video input which your satellite receiver or VCR is connected to by pressing TV/VIDEO on the remote control.

8

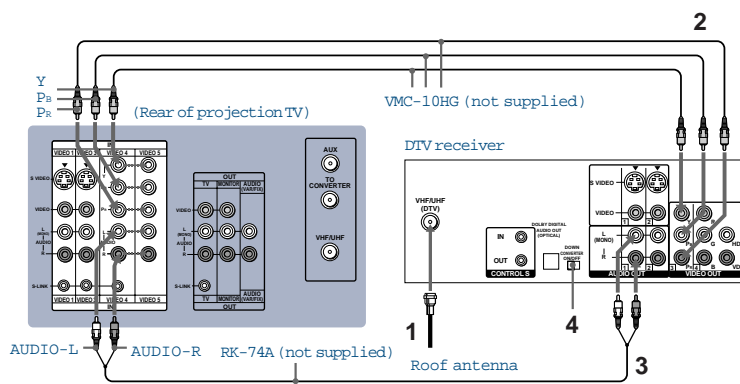


### Connecting a DTV (digital television) receiver

Disconnect all power sources before making any connections.

Before connecting, be sure to read the Operating Instructions of the DTV receiver.

- 1 Attach the coaxial cable from the roof antenna to VHF/UHF on the DTV receiver.
- 2 Using three yellow VIDEO cables, connect Y, P<sub>B</sub> and P<sub>R</sub> of VIDEO OUT on the DTV receiver to Y, P<sub>B</sub> and P<sub>R</sub> of VIDEO 4 or 5 IN on the projection TV.
- 3 Using an AUDIO cable, connect AUDIO OUT on the DTV receiver to AUDIO of VIDEO 4 or 5 IN on the projection TV (White-AUDIO Left, Red-AUDIO Right).
- 4 Set the DOWN CONVERTER ON/OFF switch on the DTV receiver to ON.



9



## Installing and Connecting the Projection TV (continued)

### Connecting a camcorder

Use this connection to view a picture directly from your camcorder.

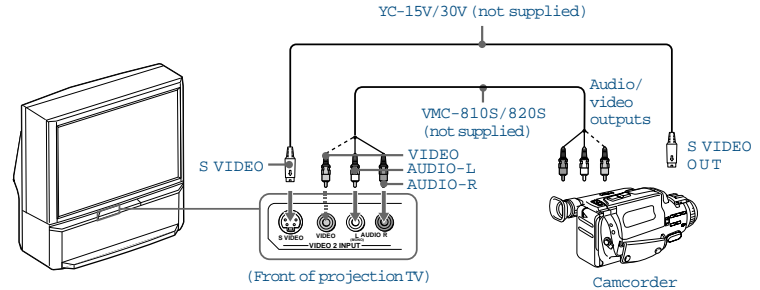
- 1 Using AUDIO and S VIDEO\* cables, connect AUDIO and S VIDEO OUT on the camcorder to AUDIO and S VIDEO IN inside the drop-down panel on the front of the projection TV (White-AUDIO Left, Red-AUDIO Right\*\*).

- 2 Press VIDEO 2 to select the video inputs from a camcorder.

\* If your camcorder is not equipped with S VIDEO, use a VIDEO cable (yellow) instead of the S VIDEO cable.

\*\* If you are connecting a monaural camcorder, connect only the single audio output to the left (MONO) input on the projection TV.

Disconnect all power sources before making any connections.



10

### Connecting two VCRs for tape editing

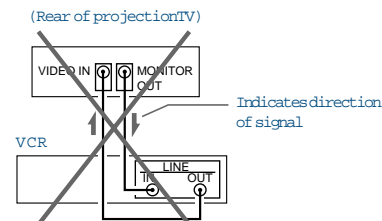
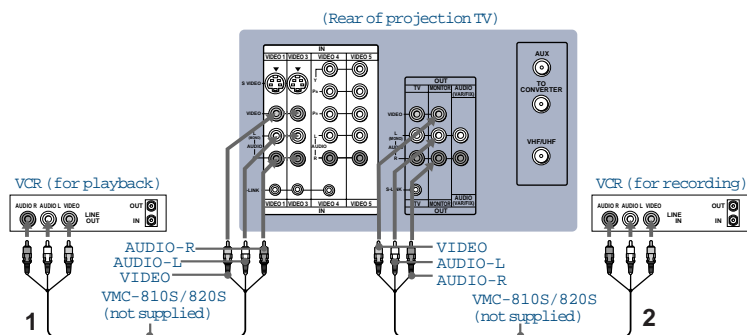
By connecting a second VCR to MONITOR OUT, you can record a program being played by the primary VCR to the second VCR or perform tape editing and dubbing.

- 1 Connect the VCR intended for playback using the connection instructions on page 6 of this manual.
- 2 Using an AUDIO/VIDEO cable, connect AUDIO and VIDEO IN on the VCR intended for recording to AUDIO and VIDEO OUT of MONITOR OUT on the projection TV.

#### Notes:

- Do not change the input signal while editing through MONITOR OUT.
- When connecting a single VCR to the projection TV: if VCR LINE OUT is connected to VIDEO IN on the projection TV, **do not** connect MONITOR OUT on the projection TV to the VCR LINE INPUT (see right). Doing so will cause program interference and other viewing problems.

Disconnect all power sources before making any connections.



11

## Installing and Connecting the Projection TV (continued)

### Connecting a DVD Player (Upper illustration)

Using an AUDIO and S VIDEO cables, connect AUDIO and S VIDEO IN on the projection TV to AUDIO and S VIDEO OUT on the DVD Player (White-AUDIO Left, Red-AUDIO Right).

**Connecting a DVD Player with component video output connectors (Lower illustration)**

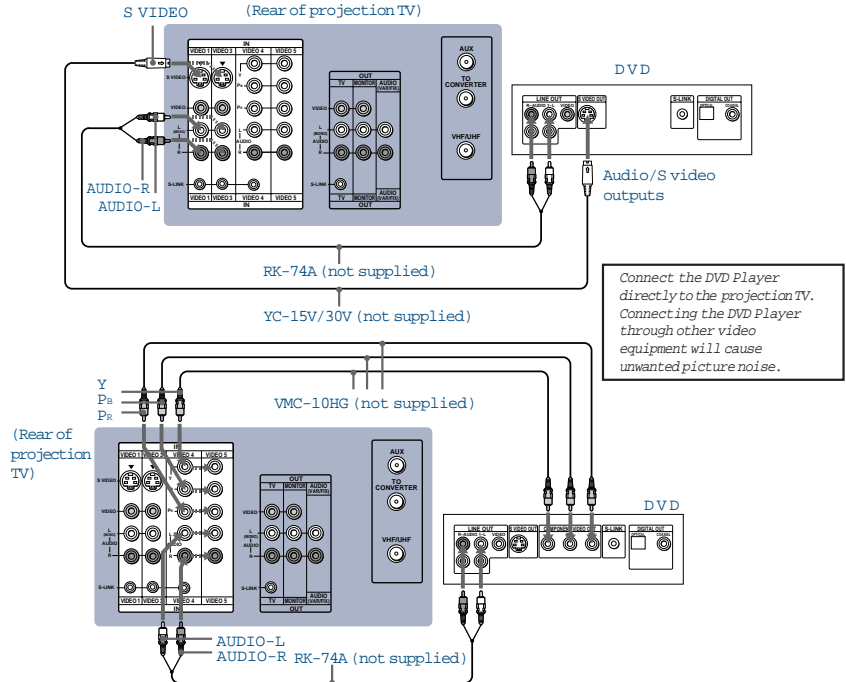
- 1** Using an AUDIO cable, connect AUDIO of LINE OUT on the DVD Player to AUDIO of VIDEO 4 or 5 IN on the projection TV (White-AUDIO Left, Red-AUDIO Right).
- 2** Using three yellow VIDEO cables, connect Y, Pb, and Pr of COMPONENT VIDEO OUT on the DVD Player to Y, Pb, and Pr of VIDEO 4 or 5 IN on the projection TV.

**Notes:**

- Since the high quality pictures on a DVD disc contain a lot of information, picture noise may appear. In this case, adjust “Noise Reduction” in the Video menu. (see “Noise Reduction” on page 30)
- Some DVD Player terminals may be labeled differently. If so, connect as follows:  
Connect Y (green) to Y.  
Connect Pb (blue) to Cb, Cb or B-Y.  
Connect Pr (red) to Cr, Cr or R-Y.

12

**Disconnect all power sources before making any connections.**

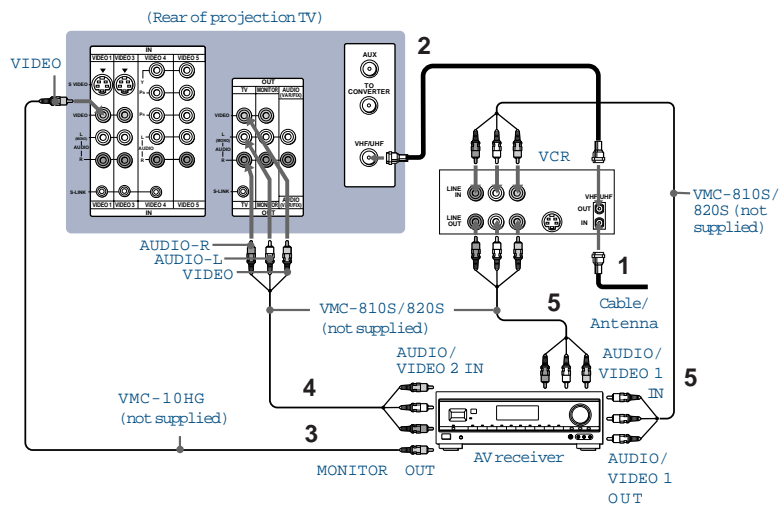


## Connecting an AV receiver

For greater control of all audio and video equipment, connect an AV receiver.

- 1-2** Perform as described in “Connecting a cable TV system/antenna to a VCR” on page 6.
- 3** Using a VIDEO cable, connect VIDEO 1 IN on the projection TV to MONITOR OUT on the AV receiver.
- 4** Using an AUDIO/VIDEO cable, connect TV OUT on the projection TV to VIDEO 2 IN on the AV receiver.
- 5** Using an AUDIO/VIDEO cable, connect the video equipment to the AV receiver.

**Disconnect all power sources before making any connections.**



## Installing and Connecting the Projection TV (continued)

Disconnect all power sources before making any connections.

### Connecting an audio system

For more dynamic sound, connect an audio system to the projection TV.

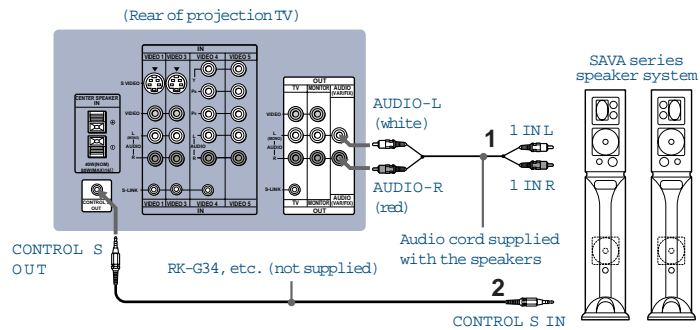
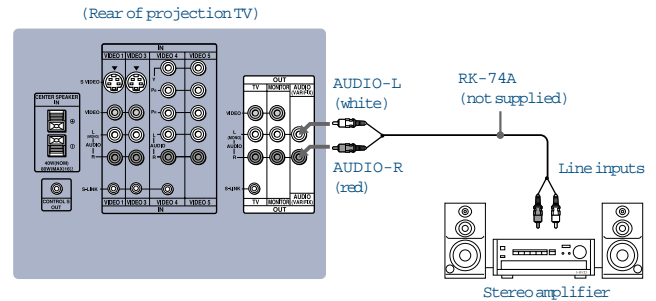
- 1 Using an AUDIO cable, connect AUDIO (VAR/FIX) OUT on the projection TV to one of the unused Line inputs (e.g. Tape-2, AUX1, etc.) on the stereo.
- 2 Set the stereo to the chosen Line input and use the Audio menu to set the audio output and switch the TV's speakers off. (see "Audio Out" and "Speaker" on page 32)

#### Note:

- You can adjust VOLUME, "Bass," "Treble," "Balance," "MTS/SAP" and "Effect" with the supplied remote control. The control items except VOLUME can be adjusted only when "Audio Out" is set to "Variable" in the Audio menu. (see "Audio Out" on page 32)

### Connecting a Sony SAVA series speaker system

Use this connection to control the speaker's Dolby Pro Logic surround system and super woofer mode with the remote control. (see "Speaker" and "SAVA SP Control" on page 32)



14

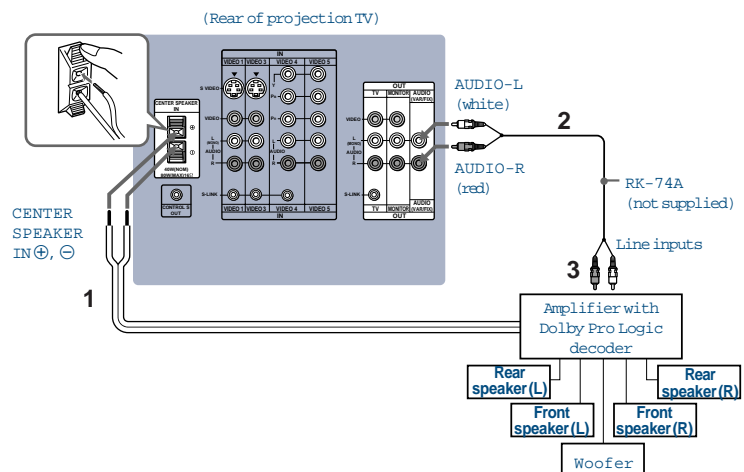
- 1 Using the AUDIO cable supplied with the speaker to AUDIO (VAR/FIX) OUT on the projection TV.
- 2 Using the CONTROL S cable, connect CONTROL S IN on the speaker to CONTROL S OUT on the projection TV.

### Connecting an amplifier that supports Dolby Pro Logic decoder

If you use an amplifier with a Dolby Pro Logic decoder instead of the projection TV's audio system, you can still use the projection TV's center speaker.

- 1 Using the speaker cords (supplied with the amplifier), connect the speaker terminals on the amplifier to CENTER SPEAKER IN +/- on the projection TV.
- 2 Using an AUDIO cable, connect AUDIO (VAR/FIX) OUT on the projection TV to one of the unused Line inputs (e.g. Tape-2, AUX1, etc.) on the amplifier (White-AUDIO Left, red-AUDIO Right).
- 3 Set the amplifier to the chosen Line input and use the Audio menu to set "Speaker" to "Center" on the projection TV. (see "Speaker" on page 32)

Disconnect all power sources before making any connections.



15

## Installing and Connecting the Projection TV (continued)

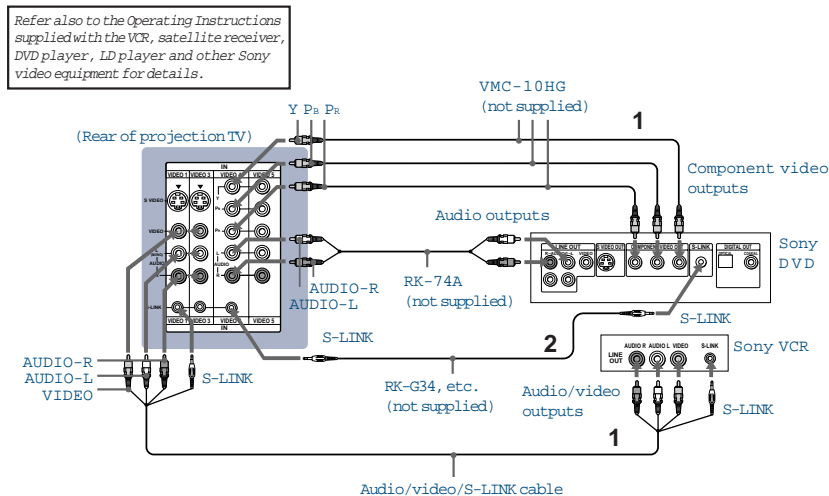
Disconnect all power sources before making any connections.

### Using the S-Link Function

S-Link is a Sony innovation designed to make the Sony components work together. It allows you to automatically switch the projection TV's input mode to video when you press the play button on the Sony S-Link VCR.

#### Using the S-Link function without a Sony AV receiver

- 1 Connect the Sony VCR (DVD). (see "Connecting a cable TV system/antenna to a VCR" on page 6 or "Connecting a DVD Player with component video output connectors" on page 12)
- 2 Using an S-LINK cable, connect the S-LINK jacks on the VCR (DVD) and the projection TV. Ensure that both ends are seated firmly and that the projection TV's S-LINK jack is in the same row as the AUDIO/VIDEO cable extending from the Sony VCR (DVD).

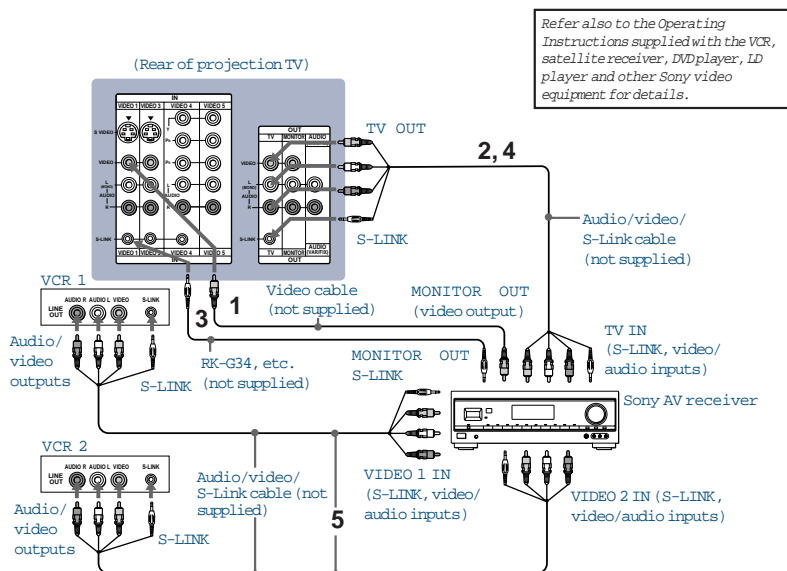


16

#### Using the S-Link function with a Sony AV receiver

- 1 Using a VIDEO cable, connect VIDEO 1 IN on the projection TV to MONITOR OUT on the Sony AV receiver.
- 2 Using an AUDIO/VIDEO cable, connect TV OUT on the projection TV to TV AUDIO and VIDEO IN on the AV receiver.
- 3 Using an S-LINK cable, connect S-LINK on the VIDEO 1 IN panel on the projection TV and S-LINK on MONITOR OUT on the AV receiver.
- 4 Using an S-LINK cable, connect S-LINK on the TV OUT panel on the projection TV to S-LINK on TV IN on the AV receiver.
- 5 Using AUDIO/VIDEO and S-LINK cables, connect the Sony video equipment to the AV receiver.
- 6 Use the Audio menu to set "Speaker" to "Off" or "Center." (see "Speaker" on page 32)
- 7 Press CH (CHANNEL) +/- to activate the S-Link function.

Disconnect all power sources before making any connections.



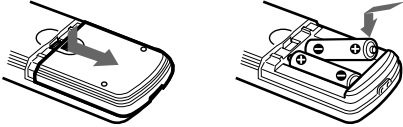
17

## Basic Set Up

### Using the Remote Control

#### Inserting the batteries

Insert two size AA (R6) batteries (supplied) by matching the + and – on the batteries to the diagram inside the remote control's battery compartment.

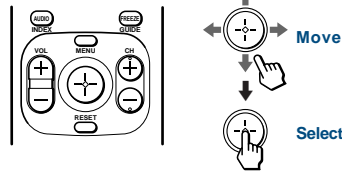


#### Notes:

- Remove the batteries to avoid damage from possible battery leakage whenever you anticipate that the remote control will not be used for an extended period.
- Handle the remote control with care. Avoid dropping it, getting it wet, or placing it in direct sunlight, near a heater or where the humidity is high.
- Your remote control can be programmed to operate most video equipment. (see "Operating Video Equipment" on page 51)

18

### Using the remote control joystick



The supplied remote control has a joystick which moves the on-screen selector in four directions. In most cases, moving the joystick up, down, left or right will cause the selector to *move* in the selected direction.

In some cases, the selector may move in four directions according to the function. Pressing down on the center of the joystick (⊕) will *activate* the selected item.

You may also move the joystick right to activate a selected item. (There are some exceptions to this option.)

### Adjusting Sliders

When menu items present a slider (— or —), move the joystick up, down, left or right to adjust the setting.

### On Line Help/Instructions

Several menu windows will provide prompts and instructions to assist you in navigating through the different functions.

### Setting Up the Projection TV Automatically

The AUTO SET UP feature will allow you to set the on-screen language and set all receivable channels.

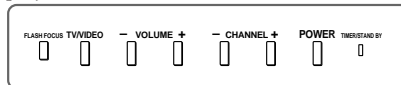
*The AUTO SET UP feature does not apply for installations that use a cable box for all channel selection.*

*You can also set up the projection TV manually. (see "Using the Channel Set Up menu" on pages 34 and 35)*

#### Notes:

- Before you perform AUTO SET UP again, make sure that the input from ANT (not AUX) is selected by pressing ANT until "AUX" does not appear next to the channel number.
- Perform this function during the day, with the antenna and/or cable properly connected, to ensure that all available channels will be broadcasting and receivable.
- When you perform AUTO SET UP, all the settings in the Video, and Audio menus are reset to the factory settings.

Using the buttons on the front panel of the projection TV:



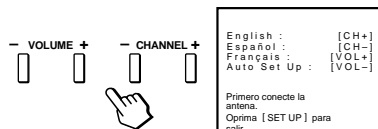
- 1 Press POWER to turn on the projection TV.

The AUTO SET UP screen appears.

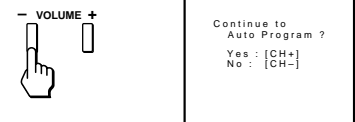


- 2 Press CHANNEL + to select English, CHANNEL - to select Español or VOLUME + to select Français.

The screen will change to reflect your choice.



- 3 Press VOLUME - to continue.



- 4 Press CHANNEL + to preset channels automatically.

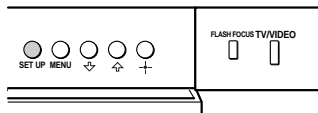


"Auto Program" appears and the projection TV starts scanning and presetting channels automatically. While scanning, the received channel will be displayed on the sub screen. When all the receivable channels are stored, the lowest numbered channel is displayed.

19

## Basic Set Up (continued)

### To perform AUTO SET UP again



Press SET UP inside the drop-down panel on the projection TV and perform steps 2-4 on page 19.

Press SET UP again to exit.

### Adjusting the Convergence Automatically (FLASH FOCUS)

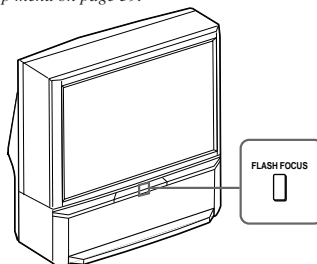
The projection tube image appears on the screen in three layers (red, green and blue). If they do not converge, the color is poor and the picture blurs.

Before you use your projection TV, be sure to adjust the convergence.

The FLASH FOCUS feature allows you to adjust the convergence automatically.

#### Tips

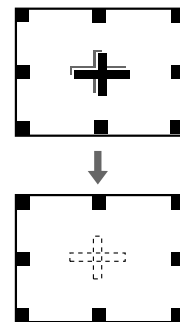
- It is recommended to perform FLASH FOCUS about 30 minutes after the projection TV is first turned on.
- You can also perform FLASH FOCUS using the Set Up menu on page 39.



Press FLASH FOCUS.



The cross pattern appears and FLASH FOCUS begins to work. The adjustment is completed when the cross pattern becomes white.



#### Note:

- FLASH FOCUS is canceled if you perform any other function while FLASH FOCUS is working.

20

## Using Your New Projection TV

### Watching the TV

Many TV features can be accessed directly through the remote control. The following chart will explain the function of some buttons found on your remote control.



REFER TO THE ILLUSTRATION OF THE REMOTE CONTROL ON THE INSIDE FRONT COVER OF THIS MANUAL AS YOU REVIEW THIS CHART

| Using the White Labeled Buttons for Projection TV Operations |  |
|--|--|
| TV (FUNCTION)  | Activates the remote control for use with the projection TV.   |
| TV POWER   | Turns the projection TV on and off. If a video input indication (e.g., VIDEO 1, VIDEO 2) appears on the screen, press TV/VIDEO until a channel number appears.   |
| 0-9 and ENTER  | Use for direct channel selection. Press 0-9 to select a channel (for example, to select channel 10, press 1 and 0). The channel will change after 2 seconds, or you can press ENTER for immediate selection. |
| CH +/-   | Press to scan through the channels (+ up or - down).<br><b>Speed Surf</b><br>1 Press and hold CH + or - to change the channel number rapidly.<br>2 Release to display the desired channel.                   |
| VOL +/-  | Press to adjust the volume (+ up or - down).   |
| MUTING   | Press to mute the sound. "Muting" will appear on the screen and will dim three seconds later. To restore sound, press again or press VOL +.  |

(continued)

#### PICTURE MODE

Press PICTURE MODE repeatedly to directly choose one of five different video modes that best suits the program you are watching.

**Vivid:** Select for enhanced picture contrast and sharpness.

**Standard:** Select to display a standard picture for normal viewing environments.

**Movie:** Select to display a finely detailed picture for low light environments.


**Personal 1, Personal 2:** Select to customize the "Picture Adjustment" of the Video menu according to your personal preference.

When you select "Movie," "Personal 1" and "Personal 2," you can also perform the "Picture Adjustment" (such as "Brightness," "Color," etc.) to suit your taste. For details, see "Mode" on page 30.

21



## Using Your New Projection TV (continued)

| Using the White Labeled Buttons for Projection TV Operations |   |
|--|---|
| TV/VIDEO   | Press repeatedly to scroll through available video inputs:<br><b>TV, VIDEO 1, VIDEO 2, VIDEO 3, VIDEO 4 and VIDEO 5.</b><br>If you select "Skip" as a "Video Label" in the Set Up menu, your projection TV will skip the video input you selected. (see "Video Label" on page 39)   |
| JUMP   | Press to alternate or <i>jump</i> back and forth between two channels. The projection TV will jump between the current channel and the last channel selected using the 0-9 buttons.   |
| FREEZE<br>(yellow labeled button)                            | <p>This is useful when you need to copy down information that appears on the TV's screen.</p> <p>Press to <i>freeze</i> the desired picture. The frozen picture is displayed on the left of the screen while viewing the normal picture of the current channel on the right.</p> <div style="text-align: center;">  </div> <p>Press again to display the normal picture.</p> |
| DISPLAY  | Press to display the channel number, current time, channel caption (if set), and MTS mode (if SAP is selected). The SAP indication disappears and the other indications dim three seconds later.<br>To turn the display off, press DISPLAY again.   |

### Tip

Some control buttons are located under the cover on the top of the remote control. They are indicated with (under the cover) in the table.

22

| Using the White Labeled Buttons for Projection TV Operations |  |
|--|--|
| CC<br>(under the cover)                                      | <p>Press repeatedly to scroll through available displays:</p> <p><b>XDS (Extended Data Service)</b><br/>Displays a network name, program name, program type, program length, program description, call letters and time of the show if the broadcaster offers this service.</p> <p><b>Caption Vision</b><br/>Displayed on the screen if the broadcaster offers this service. (see "Caption Vision" on page 38)</p> <p><b>No display</b><br/>"Off" appears and the display is canceled.</p> |
| SLEEP<br>(under the cover)                                   | Press repeatedly until the projection TV displays the approximate time in minutes (30, 60, or 90) that you want the projection TV to remain on before shutting off automatically.<br>Cancel by pressing until "Sleep Off" appears.   |
| ANT<br>(AUX input)   | Press to change between the VHF/UHF input and the AUX input. (for detailed connection information, see "Cable and antenna" or "Cable box and cable" on page 5)   |
| MTS/SAP<br>(under the cover)                                 | Press to scroll through the Multi-channel TV Sound (MTS) options:<br><b>Stereo, SAP, Mono and Auto SAP.</b> (see "MTS/SAP" on page 31)   |
| Ⓛ  | Press to select an audio option:<br><b>Trusurround, Simulated and Effect Off.</b> (see "Effect" on page 31)  |
| TV/VTR<br>(under the cover)                                  | Press when you are finished using a VCR and you want to switch to the TV input. The VCR power will remain on.  |
| SYSTEM OFF<br>(under the cover)                              | Press to turn off the projection TV and all other equipment connected with S-Link. (see page 16)   |



REFER TO THE  
ILLUSTRATION OF THE  
REMOTE CONTROL ON THE  
INSIDE FRONT COVER OF  
THIS MANUAL AS YOU  
REVIEW THIS CHART

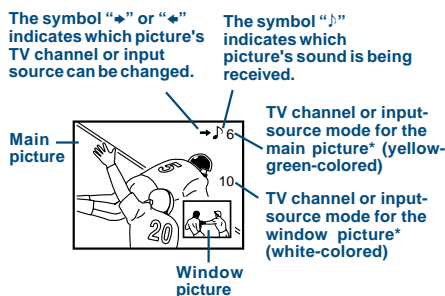
23

## Using Your New Projection TV (continued)

### Watching Two Programs at One Time — PIP

The Picture-in-Picture (PIP) feature allows you to view two channels simultaneously, one in the full size “main” picture and one in a smaller “window” picture.

You can move the window picture to any location on the screen.



\* It will dim in about 3 seconds.

#### Tip

If you press RESET in PIP mode, the window picture will move to the bottom right (factory-preset location).

| Using the Yellow Labeled Buttons for PIP Operations |  |
|---|--|
|   | Press to display a window picture. Each time you press this button, the picture size will change (1/4 → 1/9 → 1/16 → no display).<br>To close the window picture, press  repeatedly until it disappears.   |
| <b>POSITION</b><br><br>(under the cover)            | Press to change the location of the window picture (counterclockwise) around the main picture.   |
| <b>ACTIVE</b><br>                                   | Press to select either the main or window picture in order to change the TV channel or video source using the white labeled buttons below. The symbol “♦” (or “◆”) will appear to indicate which picture's channel or input mode can be changed. |
| <br>(white labeled button)                          | To change the location of the window picture, move the joystick in any direction and release it when the picture is in the desired location.   |
| <b>TV/VIDEO</b><br><br>(white labeled button)       | Press repeatedly to scroll through the available video inputs for the picture on which the symbol “♦” (or “◆”) is displayed. (see “TV/VIDEO” on page 22)   |

| Using the Yellow Labeled Buttons for PIP Operations |  |
|---|--|
| <b>CH</b><br><br>(white labeled button)             | Press to select the TV channel on which the symbol “♦” is displayed. (for details, see “Watching the TV” on page 21)<br><b>Speed Surf</b><br>1 Press and hold CH + or – to change the channel number rapidly.<br>2 Release to display the desired channel.   |
| <b>ANT</b><br><br>(white labeled button)            | Press to change between the VHF/UHF input and the AUX input for the picture on which the symbol “♦” (or “◆”) is displayed.   |
| <b>AUDIO INDEX</b><br>                              | Press to alternate sound between the main picture and the window picture. The symbol “♪” will appear for a few seconds to indicate which picture's sound is being received.  |
| <b>FREEZE GUIDE</b><br>                             | This is useful when you need to copy down information of the main picture. Press to freeze the desired scene in the main picture. The frozen picture is displayed in the window picture while viewing the normal picture in the main picture. The window picture size is automatically changed to 1/4 if it was 1/9 or 1/16. Press again to resume normal PIP viewing. |
| <b>SWAP</b><br><br>(under the cover)                | Press to switch the audio and video of the main picture and the window picture. Each time you press SWAP, the picture and sound of the two will be exchanged.  |



**REFER TO THE ILLUSTRATION OF THE REMOTE CONTROL ON THE INSIDE FRONT COVER OF THIS MANUAL AS YOU REVIEW THIS CHART**

#### Note:

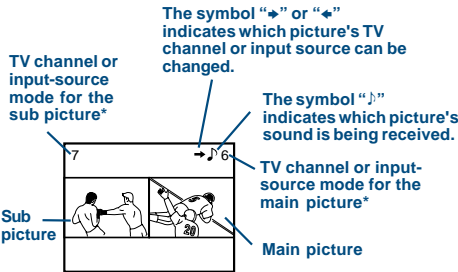
- If one of the pictures received through PIP is snowy, the entire screen may become unstable. In this case, erase the snowy channel. (see “Channel Skip/Add” on page 35)









Using Your New Projection TV (continued)




Watching Two Programs at One Time — P&P (Twin View™)


The Picture-and-Picture (P&P) feature allows you to view two channels simultaneously, both in a reduced size screen. The main picture will appear on the right.



\* It will dim in about 3 seconds.

| Using the Yellow Labeled Buttons for P&P Operations  |   |
|--|---|
|   | Press to display right (main) and left (sub) pictures.<br>Press again to close the sub picture.   |
|   | Press to select either the right or left picture in order to change the TV channel or video source using the white labeled buttons below. The symbol "♪" (or "♣") will appear to indicate which picture's channel or input mode can be changed.                     |
| <br>(white labeled button)  | Press repeatedly to scroll through the available video inputs for the picture on which the symbol "♪" (or "♣") is displayed. (see "TV/VIDEO" on page 22)  |
|  or  and ENTER | Press to select the TV channel on which the symbol "♪" (or "♣") is displayed. (for details, see "Watching the TV" on page 21)<br><b>Speed Surf</b><br>1 Press and hold CH + or – to change the channel number rapidly.<br>2 Release to display the desired channel. |
| <br>(white labeled button)  | Press to change between the VHF/UHF input and the AUX input for the picture on which the symbol "♪" (or "♣") is displayed.  |

| Using the Yellow Labeled Buttons for P&P Operations  |   |
|--|---|
|                       | Press to alternate sound between the right and left pictures. The symbol "♪" will appear for a few seconds to indicate which picture's sound is being received.                   |
|                       | This is useful when you need to copy down information that appears on the TV's screen.<br>Press to freeze both the right and left pictures.<br>Press again to resume P&P viewing. |
| <br>(under the cover) | Press to switch the audio and video of the right and left pictures.<br>Each time you press SWAP, the picture and sound of the two will be exchanged.                              |

 **REFER TO THE ILLUSTRATION OF THE REMOTE CONTROL ON THE INSIDE FRONT COVER OF THIS MANUAL AS YOU REVIEW THIS CHART**

Notes:

- The sound of the left (sub) picture is monaural.
- Caption Vision is displayed for the right (main) picture only.
- If one of the pictures received through P&P is snowy, the entire screen may become unstable. In this case, erase the snowy channel. (see "Channel Skip/Add" on page 35)

## Using Your New Projection TV (continued)

### Using CHANNEL INDEX

You can use the CHANNEL INDEX feature to display multiple channels and select one directly. Channels used for CHANNEL INDEX will come directly from the TV's list of receivable channels (those set during Auto Program or through the Channel Set Up menu).

#### 1 Press .

The current channel will be reduced in size and displayed in the center of the screen in normal motion picture format. The first twelve receivable channels will appear one after another, clockwise, around the center picture. These small pictures are updated in intervals of one second. The channel number and channel caption (if set) on the second and later appearances will dim.



A yellow-colored frame will appear to indicate current channel selection.

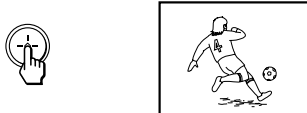
28

#### 2 Move the joystick in any direction to move the yellow frame to the picture that you wish to view.



#### 3 Press .

The selected picture will be enlarged for normal viewing.



### To cancel CHANNEL INDEX

Press  again, or select a TV channel using the 0-9 and ENTER buttons.

#### Tips

- To cycle through the receivable channels at a time, press CH +/-.
- To freeze the center picture, press FREEZE. Press it again to resume normal center picture viewing.

#### Notes:

- The projection TV will continually update each of the surrounding pictures while the CHANNEL INDEX screen is displayed.
- Sound will only be heard from the center picture.
- If one of the pictures received through CHANNEL INDEX is snowy, the entire screen may become unstable. In this case, erase the snowy channel. (see "Channel Skip/Add" on page 35)
- If you leave the CHANNEL INDEX screen displayed for about 20 minutes without any additional operation, CHANNEL INDEX is canceled and the normal picture reappears.

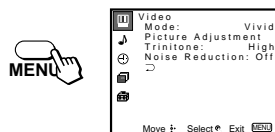
## Adjusting Your SET UP (menus)

### Learning Menu Selection

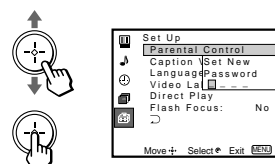
Use the MENU button to access a menu and use the joystick to alter the settings. Use the following example to learn how to modify settings.

#### 1 Press the MENU button.

The main menu appears.

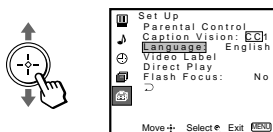


#### 2 Move the joystick up or down to highlight the desired menu and press (press down on the center of the joystick) to activate it.



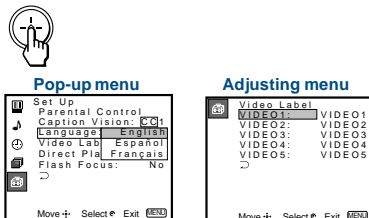
You may also move the joystick right to activate your selection.

#### 3 Move the joystick up or down to highlight the desired option.

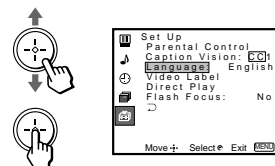



#### 4 Press (press down on the center of the joystick).

Options for your selection (Pop-up menu or Adjusting menu) will be displayed.



#### 5 Move the joystick up or down to make your selection and press to activate it. The previous screen will reappear.



Some adjustment menus may require further operations. For details, see each menu option. To return to the previous screen (except for the slider adjustment menus), choose "⏮" at the bottom of the menu and press  or move the joystick left.



#### 6 Once you have completed all menu corrections, press MENU to exit the menu screens.



### To exit from the menus at any time

Press MENU.

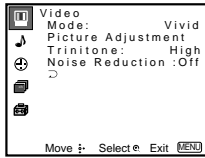
#### Tip

You can also use the MENU,  and  buttons inside the front drop-down panel of the projection TV for the menu selection.

29

## Adjusting Your SET UP (menus) (continued)

### Using the Video Menu



For detailed information on using the remote control to modify menu settings, refer to "Learning Menu Selection" on page 29.

#### To select the Video menu:

Display → Highlight → Select



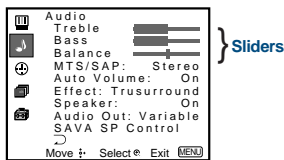
#### To restore the factory settings

Press RESET on the remote control while the Video menu is selected. To restore each "Mode" to the factory setting, press RESET after selecting the mode to be reset.

|  |   |
|--|---|
| <b>Mode</b><br><i>Customized picture viewing</i>       | <p>You can choose one of five different video modes that best suits the program you are watching. You can also perform the "Picture Adjustment" (such as "Brightness," "Color," etc.) for "Movie," "Personal 1" or "Personal 2" to suit your taste.</p> <p><b>Vivid:</b> Select for enhanced picture contrast and sharpness.</p> <p><b>Standard:</b> Select to display a standard picture for normal viewing environments.</p> <p><b>Movie:</b> Select to display a finely detailed picture for low light environments.</p> <p><b>Personal 1, Personal 2:</b> Select to customize the "Picture Adjustment" of the Video menu according to your personal preference.</p> <p>Press PICTURE MODE on the remote control for direct selection of a "Mode" setting.</p> |
| <b>Picture Adjustment</b><br><i>Picture adjustment</i> | <p>First select "Movie," "Personal 1" or "Personal 2" from "Mode," then highlight the desired option using the joystick and press <math>\oplus</math> to display the adjusting slider of the selected option.</p> <p><b>Picture:</b> Adjust slider right (up) to increase picture contrast; left (down) to decrease it.</p> <p><b>Brightness:</b> Adjust slider right (up) to brighten the picture; left (down) to darken it.</p> <p><b>Color:</b> Adjust slider right (up) to increase color intensity; left (down) to decrease it.</p> <p><b>Hue:</b> Adjust slider right (up) to increase the green tones; left (down) to increase the red tones.</p> <p><b>Sharpness:</b> Adjust slider right (up) to sharpen the picture; left (down) to soften it.</p>      |
| <b>Trinitone</b><br><i>White intensity adjustment</i>  | <p><b>High:</b> Select to give the white colors a blueish tint.</p> <p><b>Medium:</b> Select to give the white colors a neutral tint.</p> <p><b>NTSC Standard:</b> Select to give the white colors a reddish tint.</p>  |
| <b>Noise Reduction</b><br><i>Noise reduction</i>       | <p>Select <b>On</b> to reduce picture noise.</p> <p>Select <b>Off</b> to cancel the feature.</p> <p>"Noise Reduction" can be set separately from the "Mode" settings of the Video menu.</p>   |

30

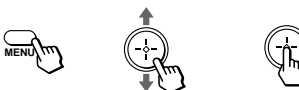
### Using the Audio Menu



For detailed information on using the remote control to modify menu settings, refer to "Learning Menu Selection" on page 29.

#### To select the Audio menu:

Display → Highlight → Select



#### To restore the factory settings

Press RESET on the remote control while the Audio menu is selected.

|  |  |
|--|--|
| <b>Treble</b><br><i>Sound adjustment</i>   | <p>Adjust slider right (up) to increase high pitched sounds.</p> <p>Adjust slider left (down) to decrease high pitched sounds.</p>   |
| <b>Bass</b><br><i>Sound adjustment</i>   | <p>Adjust slider right (up) to increase low pitched sounds.</p> <p>Adjust slider left (down) to decrease low pitched sounds.</p>   |
| <b>Balance</b><br><i>Sound adjustment</i>  | <p>Adjust slider right (up) to emphasize right speaker volume.</p> <p>Adjust slider left (down) to emphasize left speaker volume.</p>  |
| <b>MTS/SAP</b><br><i>Enjoy stereo, bilingual and mono programs.</i>                          | <p>When the sound is intermittent due to poor reception conditions, select "Stereo" or "SAP."</p> <p><b>Stereo:</b> Select for stereo reception when viewing a program broadcast in stereo.</p> <p><b>SAP:</b> Select to listen to a bilingual broadcast. (non-SAP programs will be muted when this feature is selected)</p> <p><b>Mono:</b> Select for mono reception. (use to reduce noise during stereo broadcasts)</p> <p><b>Auto SAP:</b> Select to listen to SAP when a SAP program is broadcast and return to stereo reception automatically for non-SAP programs.</p> <p><b>Quick MTS access:</b> Press <math>\text{MTS/SAP}</math> on the remote control to cycle through the "MTS/SAP" options as follows: Stereo → SAP → Mono → Auto SAP.</p> |
| <b>Auto Volume</b><br><i>Adjust the sound level.</i>   | <p><b>On:</b> Sound output coming from TV speakers have the volume level equalized for all channel audio inputs when broadcasts have different sound transmission levels.</p> <p><b>Off:</b> Sound output coming from the TV speakers varies according to the received channel.</p>  |
| <b>Effect</b><br><i>Customizes surround sound effects based on the program's audio type.</i> | <p>"Effect" can only be set when "Speaker" is set to "On" or "Off."</p> <p><b>Trusurround:</b> Produces a virtual surround effect for Dolby-surround encoded programs.</p> <p><b>Simulated:</b> Adds a surround-like effect to mono programs.</p> <p><b>Off:</b> Normal stereo or mono reception.</p> <p><b>Quick Effect access:</b> Press <math>\text{Effect}</math> on the remote control to cycle through the "Effect" options as follows: Trusurround → Simulated → Effect Off.</p>  |

(continued)

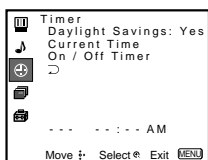
31

## Adjusting Your SET UP (menus) (continued)

|   |   |
|---|---|
| <b>Speaker</b><br><i>Custom selection of audio output source</i>    | <b>On:</b> Select to listen to the sound from the projection TV speakers alone.<br><b>Off:</b> Select to turn off the projection TV speakers and listen to the projection TV's sound only through an external audio system's speakers.<br><b>SAVA SP:</b> Select to turn off the projection TV speakers and listen to the projection TV's sound only through the Sony SAVA series speaker system. You can adjust volume, muting, "Surround Mode," and "Super Woofer Mode" with the projection TV's remote control. (see "SAVA SP Control" below)<br><b>Center:</b> Select to use the projection TV as center speaker when you connect an amplifier with a Dolby Pro Logic decoder. (see "Connecting an amplifier that supports Dolby Pro Logic decoder" on page 15) |
| <b>Audio Out</b><br><i>Easy control of volume adjustment</i>        | <p>"Audio Out" can only be set when "Speaker" is set to "Off."</p> <b>Fixed:</b> Sound output is held at a fixed level through the audio system. Use the AV receiver's remote control to adjust the volume.<br><b>Variable:</b> Sound output varies according to the TV settings. Useful when you want to use your remote control to control the output of a separate audio system.   |
| <b>SAVA SP Control</b><br><i>Controls Sony SAVA speaker's mode.</i> | <p>"SAVA SP Control" can only be set when Sony SAVA speaker system is connected to the AUDIO (VAR/FIX) OUT connectors and "Speaker" is set to "SAVA SP." (see "Speaker" above)</p> <p>You can also adjust the SAVA speaker's volume using VOL +/- of the projection TV's remote control.</p> <b>Surround Mode:</b> Select to activate the SAVA Speaker's surround mode.<br><b>Super Woofer Mode:</b> Select to activate the SAVA Speaker's super woofer mode.   |

32

## Using the Timer Menu

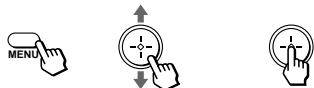


After setting the clock you can use the timer to turn the projection TV on and off.

For detailed information on using the remote control to modify menu settings, refer to "Learning Menu Selection" on page 29.

### To select the Timer menu:

Display → Highlight → Select



### Tip

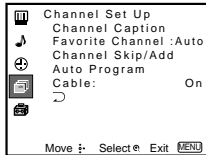
Set daylight saving time before setting the clock. Any loss of power will cause these settings to be erased.

|   |  |
|---|--|
| <b>Daylight Savings</b><br><i>Automatically adjusts the time.</i> | <b>Spring:</b> Select <b>Yes</b> to compensate for Daylight Saving Time. The current time automatically moves ahead one hour.<br><b>Fall:</b> Select <b>No</b> at the end of Daylight Saving Time. The current time moves back one hour.   |
| <b>Current Time</b><br><i>Necessary for the Timer.</i>            | <ol style="list-style-type: none"> <li>Press <b>+</b>, then move the joystick up or down until the current day (Sun - Sat) is displayed, and press <b>+</b>.</li> <li>Move the joystick up or down until the current hour (1-12) and AM/PM is displayed, and press <b>+</b>.</li> <li>Move the joystick up or down until the current minute (00-59) is displayed, and press <b>+</b>.</li> </ol> <p>The clock has now started. Press MENU to exit.</p>   |
| <b>On/Off Timer</b><br><i>Wake up or scheduled viewing.</i>       | <ol style="list-style-type: none"> <li>Move the joystick up or down until the desired day or range of days (Every Sun-Sat, Every Mon-Fri, Sunday, Monday, ....Saturday, Every Sunday, ....Every Saturday) is displayed, and press <b>+</b>.</li> <li>Move the joystick up or down until the time (hours and minutes) that you want the projection TV to remain on is displayed, and then press <b>+</b>.</li> <li>Move the joystick up or down to set the time duration (maximum of 6 hours) and press <b>+</b>.</li> <li>Move the joystick up or down to select the desired channel and press <b>+</b>.</li> </ol> <p>The timer is now set. The TIMER/STAND BY indicator on your projection TV will be lit.</p> <p>Press MENU to exit. To cancel your timer setting, press RESET while in the On/Off Timer window. Performing Auto Program will erase all Timer settings.</p> |

33

## Adjusting Your SET UP (menus) (continued)

### Using the Channel Set Up Menu



For detailed information on using the remote control to modify menu settings, refer to “Learning Menu Selection” on page 29.

#### To select the Channel Set Up menu:

Display → Highlight → Select



|   |  |  |
|---|--|--|
| <b>Channel Caption</b><br><i>Easy recognition of the channel you are watching</i> | <p>You can add a caption for up to 32 channels of VHF/ UHF input.</p> <p>With the Channel Caption window open:</p> <ol style="list-style-type: none"><li>1 Press <b>+</b> and then move the joystick up or down to select the desired channel. You can view the channel that is selected with the Channel Caption menu in the sub screen.</li><li>2 Press <b>+</b>.</li><li>3 Move the joystick up or down to display the first letter or number of the caption and press <b>+</b> to select it. Repeat until up to five digits are selected.</li><li>4 Press <b>+</b>.</li></ol> <p>To erase a caption, press <b>RESET</b>.</p> |  |
| <b>Favorite Channel</b><br><i>User's favorite channels</i>                        | <p>The Favorite Channel feature enables easy access to the eight channels that you preset (or the last channel that you were watching). (for details on how to set up this feature, see “Setting and Selecting Favorite Channel” on page 36)</p>   |  |

34

|   |  |  |
|---|--|--|
| <b>Channel Skip/Add</b><br><i>Skips unnecessary channels.</i> | <p>After AUTO SET UP, you can erase unnecessary channels from the channel preset memory.</p> <p>With the Channel Skip/Add window open:</p> <ol style="list-style-type: none"><li>1 Move the joystick up or down to select the desired channel. You can view the channel that is selected with the Channel Skip/Add menu in the sub screen. You can also use CH +/- or 0-9 and ENTER buttons.</li><li>2 Press <b>+</b>.</li><li>3 Move the joystick up or down to select <b>Skip</b>, and press <b>+</b>.</li></ol> <p>The selected channel will be erased.</p> <p>If you want to re-enter the skipped channel, follow the steps above and select <b>Add</b>.</p> |  |
| <b>Auto Program</b><br><i>Automatic channel presetting</i>    | <p>Select <b>Yes</b> to signal the projection TV to automatically program all receivable channels. When all the receivable channels are stored, the lowest numbered channel is displayed.</p> <p>Select <b>No</b> to cancel Auto Program.</p>  |  |
| <b>Cable</b><br><i>Cable system setting</i>                   | <p>Select <b>On</b> if your projection TV is connected to a cable system.</p> <p>Select <b>Off</b> if your projection TV is connected to an antenna.</p>   |  |

35

## Adjusting Your SET UP (menus) (continued)

### Setting and Selecting Favorite Channel

The Favorite Channel feature of your projection TV enables easy access to the eight channels that you preset (or the last channel that you were watching).

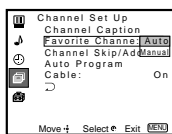
Your Favorite Channel options can be set automatically or manually.

The factory setting for "Favorite Channel" is "Auto."

When "Favorite Channel" is set to "Auto," the last eight channels selected with the 0-9 buttons will be set as Favorite Channel options. If you want to input your own selections as Favorite Channel settings, set to "Manual."

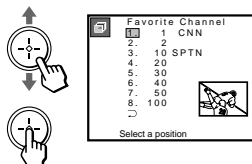
#### Setting Favorite Channel manually

- 1 Select "Favorite Channel" from the Channel Set Up menu. (see page 34)

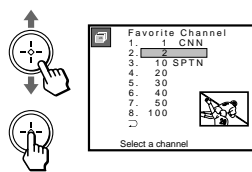


- 2 Move the joystick up or down to select "Manual" and press **+**.

The Favorite Channel menu will appear. If you set Channel Caption names (e.g. CNN, HBO), they will also be displayed. (see "Channel Caption" on page 34)

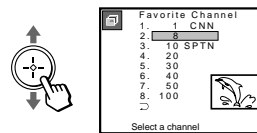


- 3 Move the joystick up or down to select a position (1-8), and press **+**.



- 4 Move the joystick up or down to select a channel.

You have now selected a favorite channel.



- 5 Press **+** and use the joystick to program other favorite channels. (Follow steps 3 and 4.)

- 6 Press MENU when you have finished.

Your favorite channels are now ready for use.

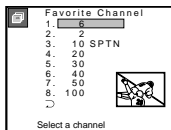
36

### Changing Favorite Channel choices

You have the option of returning to the Favorite Channel screen to adjust any of your favorite channel choices.

Simply proceed as described in "Setting Favorite Channel manually" (skip step 2 if "Manual" is already selected).

When you reach step 3, select the position you want to change and press **+**. Move the joystick up or down to select a new channel.



Press MENU when you are done.

#### Note:

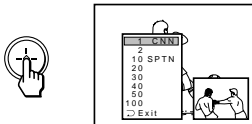
- The Favorite Channel feature is not available for the picture input from AUX.

### Using Favorite Channel

You can use the Favorite Channel feature to directly select the channel you want to watch.

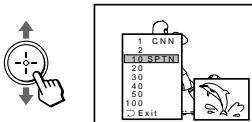
- 1 Press **+** once.

The favorite channel menu and a window picture will be superimposed over the current channel. The window picture displays the channel selected from the menu.



- 2 Move the joystick up or down to select the channel that you wish to view from the menu.

The picture of the selected channel will be displayed in the window picture.



- 3 Press **+** to select the channel.

The selected channel will be displayed for normal viewing.



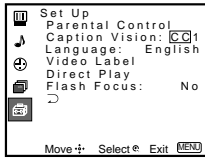
To cancel the favorite channel menu before selecting a channel, move the joystick up or down to select "Exit" at the bottom of the menu and press **+**.

37



## Adjusting Your SET UP (menus) (continued)

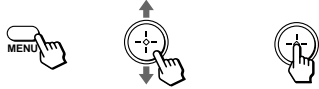
### Using the Set Up Menu



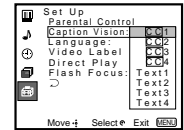
For detailed information on using the remote control to modify menu settings, refer to "Learning Menu Selection" on page 29.

#### To select the Set Up menu:

Display → Highlight → Select



|  |   |
|--|---|
| <b>Parental Control</b><br><i>Blocks programs unsuitable for children.</i> | <p>Allows you to block TV programs that you feel are unsuitable for your children. (see "Using the Parental Control Feature" on page 40 for details)</p>  |
| <b>Caption Vision</b><br><i>Television closed caption display</i>          | <p>Some programs are broadcast with Caption Vision. To display Caption Vision, select <b>CC</b>1, <b>CC</b>2, <b>CC</b>3, <b>CC</b>4, TEXT1, TEXT2, TEXT3 or TEXT4 from the menu. Then press the <b>CC</b> button until "Caption Vision" is displayed. <b>CC</b>1, <b>CC</b>2, <b>CC</b>3 or <b>CC</b>4 displays a printed version of the dialogue or sound effects of a program. (The mode should be set to <b>CC</b>1 for most programs.) TEXT1, TEXT2, TEXT3, or TEXT4 displays network/station information presented using either half or the whole screen.</p> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>Poor reception of TV programs can cause errors in Caption Vision and XDS. Captions may appear with a white box or other errors instead of the intended text.</li> <li>XDS, Caption Vision, and the status display cannot be used at the same time.</li> </ul> |
| <b>Language</b><br><i>Preferred language</i>                               | <p>Select from available languages (<b>English</b>, <b>Español</b> or <b>Français</b>) to display all menus in your language of choice.</p>   |



38

|  |   |      |
|--|---|------|
| <b>Video Label</b><br><i>Easy recognition of connected equipment (e.g. SAT, VHS, etc.)</i> | <p>This feature allows you to label each input mode so that you can easily identify the connected equipment (e.g. you can label VIDEO 1 IN as VHS). With the Video Label window open:</p> <ol style="list-style-type: none"> <li>Move the joystick up or down to select the input mode you want to label and press <b>+</b>.</li> <li>Move the joystick up or down to select the label and press <b>+</b>.</li> </ol> <p><b>Video Label Options:</b><br/> <b>VIDEO 1:</b> VIDEO 1, VHS, 8mm, Beta, LD, SAT, DVD, AV RECEIVER, DTV, Skip<br/> <b>VIDEO 2/3:</b> VIDEO 2/VIDEO 3, VHS, 8mm, Beta, LD, SAT, DVD, DTV, Skip<br/> <b>VIDEO 4/5:</b> VIDEO 4/VIDEO 5, SAT, DVD, DTV, Skip<br/> <i>If you select "Skip," your projection TV will skip this connection when you scan through video sources using the TV/VIDEO button.</i></p> | <br> |
| <b>Direct Play</b><br><i>Easy operation of a connected VCR</i>                             | <p>This feature allows you to switch the input mode from the TV to a Sony VCR (MDP or DVD) and start playing by only pressing the <b>▶</b> (playback) button on the remote control. You have to set the VTR1/2/3/DVD/MDP switch on the remote control (e.g., you connect your VCR to the VIDEO 3 IN jacks and set the VTR1/2/3/DVD/MDP switch to VTR 3).</p> <p>With the Direct Play window open:</p> <ol style="list-style-type: none"> <li>Move the joystick up or down to select the input to which your video equipment is connected, and press <b>+</b>.</li> <li>Move the joystick up or down to select the position of the VTR 1/2/3/DVD/MDP switch, and press <b>+</b>.</li> </ol>  | <br> |
| <b>Flash Focus</b><br><i>Automatic convergence adjustment</i>                              | <p>Select <b>Yes</b> and press <b>+</b> to start Flash Focus adjustment. When the adjustment is completed, the cross pattern on the screen becomes white. (for details, see page 20)<br/>         Select <b>No</b> to cancel Flash Focus.</p>   |      |

39

## Adjusting Your SET UP (menus) (continued)

### Using the Parental Control Feature

The TV programs and movies shown on TV are given a rating signal based on the following rating systems.

**In U.S.A.:** U.S. Television Parental Guidelines to rate television programs (U.S. TV ratings), and Motion Picture Association of America (MPAA) Guidelines to rate movies including those shown on TV (movie ratings)

**In Canada:** Canadian English Language ratings to rate television programs in English, and Canadian French Language ratings to rate those in French.

To block programs you feel are unsuitable for your children, you need to set the TV for the desired rating systems. Sony's predetermined ratings are also available.

See pages 47 to 50 for a description of the ratings.

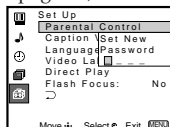
The Parental Control feature of the TV functions by receiving the rating signal from your local broadcasting station or cable service provider.

### Activating the Parental Control Feature

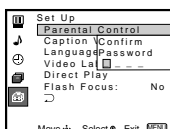
First, set a password, then select your desired rating from Sony's predetermined ratings.

**40**

- 1 Select "Parental Control" from the Set Up menu. (see page 38)

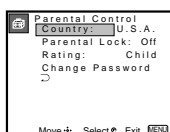


- 2 Enter a four digit password\* using the 0-9 buttons.

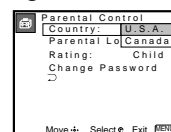


\* Do not enter "4357" corresponding to "HELP" on a phone number pad. (see page 47)

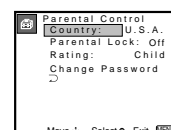
- 3 To confirm the password, re-enter the same password with the 0-9 buttons. Your password is stored and the Parental Control menu automatically appears. If you want to change the password, see page 46.



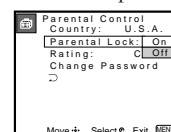
- 4 Make sure that "Country" is highlighted, and press  $\oplus$ .



- 5 Move the joystick up or down to select your country (U.S.A. or Canada), and press  $\oplus$ .

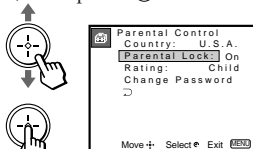


- 6 Move the joystick up or down to select "Parental Lock," and press  $\oplus$ .

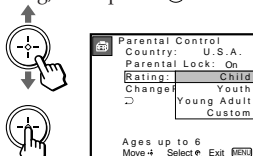


(continued)

- 7 Move the joystick up or down to select "On," and press  $\oplus$ .



- 8 Move the joystick up or down to select "Rating," and press  $\oplus$ .



- 9 Move the joystick up or down to select a desired rating ("Child," "Youth" and "Young Adult"), and press  $\oplus$ .

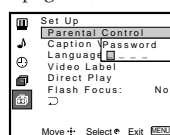
If you want to select the ratings from "Custom," go to step 4 of "Selecting a Custom Rating in U.S.A." on page 42 or "Selecting a Custom Rating in Canada" on page 45, according to your "Country" setting.

- 10 Press MENU to exit the menu.

### To deactivate the Parental Control feature

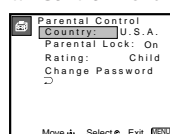
If you set "Parental Lock" in the Parental Control menu to "Off," the Parental Control feature will not work and you can view all TV programs and movies shown on TV.

- 1 Select "Parental Control" from the Set Up menu. (see page 38)

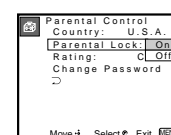


- 2 Enter your four digit password using the 0-9 buttons.

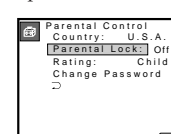
The Parental Control menu appears.



- 3 Move the joystick up or down to select "Parental Lock," and press  $\oplus$ .



- 4 Move the joystick up or down to select "Off," and press  $\oplus$ .




- 5 Press MENU to exit the menu.



## Adjusting Your SET UP (menus) (continued)

### To unlock the Parental Control feature temporarily

When you select a Parental Control program, no sound or picture except for a channel number will appear. The  indicator is displayed. To view the program, follow the steps below.

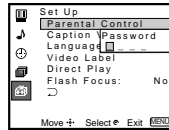
- 1 Press ENTER to display the "Password" screen.
- 2 Enter your password using the 0-9 buttons. Parental Control will be canceled ("Parental Lock" set to "Off") until you turn your projection TV off.

### Selecting a Custom Rating in U.S.A.

If you want to select the ratings to be blocked from "Custom" once you have activated the Parental Control feature (page 41), follow the procedure below.

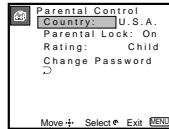
For a detailed description of each rating, see "What the Ratings Mean" on pages 47 to 49.


- 1 Select "Parental Control" from the Set Up menu. (see page 38)

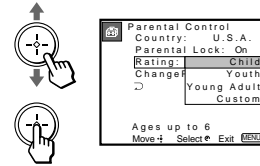



- 2 Enter your four digit password using the 0-9 buttons.

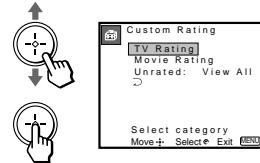
The Parental Control menu appears. Make sure that "Country" is set to "U.S.A."



- 3 Move the joystick up or down to select "Rating," and press .




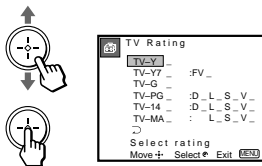
- 4 Move the joystick up or down to select "Custom," and press .




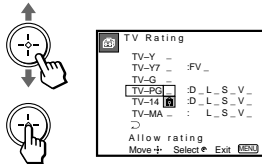
42




First, select a TV rating.

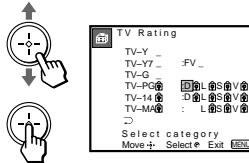
- 5 Move the joystick up or down to select "TV Rating," and press .



- 6 Move the joystick up or down to select the TV rating to be blocked, and press .




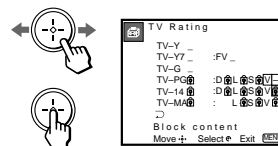
- 7 Move the joystick up or down to select , and press . The  indicator automatically appears beside the selected rating and all "higher" ratings, indicating that the programs that match the ratings will be blocked.



Some ratings have additional content ratings called "extenders." The extenders are defined as follows: D (sexually suggestive Dialog), FV (Fantasy Violence), L (coarse Language), S (Sexual situations) and V (Violence). By setting the extenders, you can define additional viewing limits. For more details of extenders, see page 49.



All of the extenders included in the selected ratings will be blocked. If you wish to allow any of them to be viewed, go to step 8.

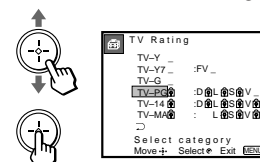
- 8 Move the joystick left or right to select the extender to be viewed, and press .



- 9 Move the joystick up or down to select "-", and press .

"-" appears beside the selected extender, indicating that the programs that match the extender can be viewed.

If you select ,  is displayed to show that the programs that match the extender will be blocked again.



(continued)

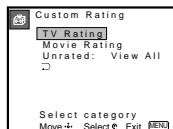
43

## Adjusting Your SET UP (menus) (continued)

- 10 Repeat steps 8 and 9 for other extenders.

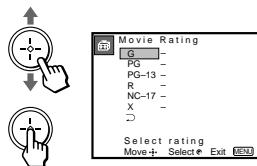
All programs that match the ratings you select and higher, except for the extenders that were canceled, will be blocked.

- 11 After setting of the TV rating is complete, move the joystick up or down to select “D,” and press (+).

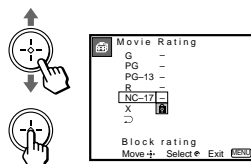


Second, select a movie rating.

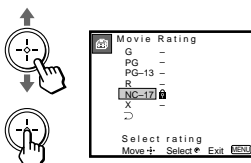
- 12 Move the joystick up or down to select “Movie Rating,” and press (+).



- 13 Move the joystick up or down to select the movie rating to be blocked, and press (+).



- 14 Move the joystick up or down to select “D,” and press (+). The D indicator automatically appears beside the selected rating and all “higher” ratings, indicating that the programs that match the ratings will be blocked.



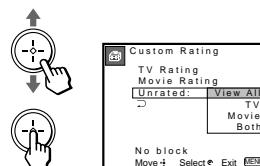
- 15 Press MENU to exit the menu.

**To block TV programs and/or movies for which a rating signal is not given (NR and N/A)**

For a description of the NR and N/A ratings, see page 48.

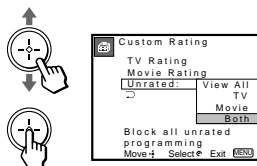
- 1 Perform steps 1–4 of “Selecting a Custom Rating in U.S.A.” on page 42.

- 2 Move the joystick up or down to select “Unrated,” and press (+).



44

- 3 Move the joystick up or down to select the type of programs to be blocked, and press (+).



| To block ...   | Select ... |
|--|------------|
| No program<br>(to view any unrated TV program and movie) | View All   |
| Unrated TV programs                                      | TV         |
| Unrated movies   | Movie      |
| Unrated TV programs and movies                           | Both       |

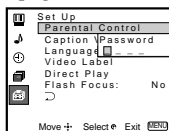
- 4 Press MENU to exit the menu.

### Selecting a Custom Rating in Canada

If you want to select the ratings to be blocked from “Custom” once you have activated the Parental Control feature (page 41), follow the procedure below.

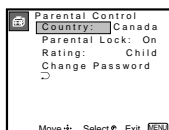
For a detailed description of each rating, see “What the Ratings Mean” on pages 49 and 50.

- 1 Select “Parental Control” from the Set Up menu. (see page 38)

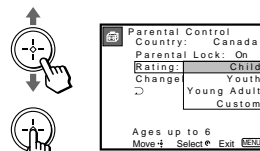


- 2 Enter your four digit password using the 0–9 buttons.

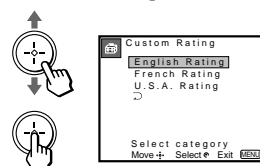
The Parental Control menu appears. Make sure that “Country” is set to “Canada.”



- 3 Move the joystick up or down to select “Rating,” and press (+).



- 4 Move the joystick up or down to select “Custom,” and press (+).

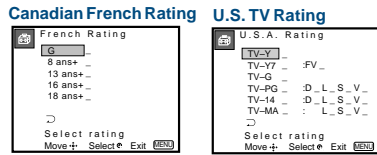
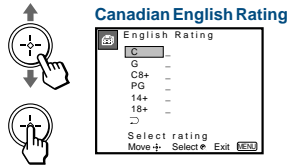


(continued)

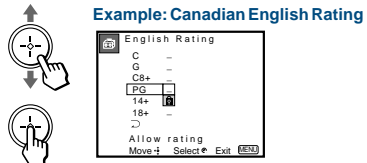
45

## Adjusting Your SET UP (menus) (continued)

- 5 Move the joystick up or down to select the rating you want to block, and press  $\oplus$ .
- The selected rating appears.

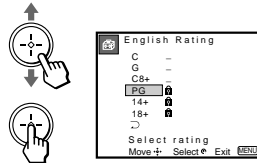


- 6 Move the joystick up or down to select the TV rating to be blocked, and press  $\oplus$ .



46

- 7 Move the joystick up or down to select "G," and press  $\oplus$ .
- The  $\oplus$  indicator automatically appears beside the selected rating and all "higher" ratings, indicating that the programs that match the ratings will be blocked.



Some U.S. TV ratings have additional content ratings called "extenders," such as D, FV, L, S and V. By setting the extenders, see steps 7 to 10 of "Selecting a Custom Rating in U.S.A." on pages 43 and 44. For more details of extenders, see page 49.

All of the extenders included in the selected ratings will be blocked. If you wish to allow any of them to be viewed, go to step 8.

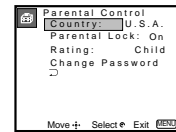
- 8 Press MENU to exit the menu.

## Changing the Password

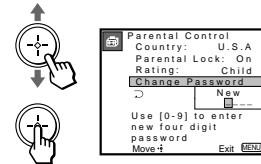
- 1 Select "Parental Control" from the Set Up menu. (see page 38)



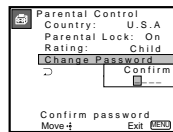
- 2 Enter your four digit password using the 0-9 buttons.
- The Parental Control menu appears.



- 3 Move the joystick up or down to select "Change Password," and press  $\oplus$ .



- 4 Enter a new four digit password using the 0-9 buttons.



- 5 Enter the password set in step 4 again to confirm.

If you entered it incorrectly, "Password incorrect" appears.

Re-enter the correct password.

- 6 Press MENU to exit the menu.

## If you have forgotten your password

In step 2 of "Changing the Password" on page 46, enter the master password "4357" (corresponding to "HELP" on a phone number pad). You can then store a new password.

### Notes:

- If you entered "4357" as your password the first time, you cannot store a new password. (see step 2 of "Activating the Parental Control Feature" on page 40)
- When you select a Parental Control program and the  $\oplus$  indicator is displayed on the screen, you cannot view that program even if you enter "4357." (see "To unlock the Parental Control feature temporarily" on page 42)

## What the Ratings Mean

### Ratings in U.S.A.

#### Sony's predetermined ratings

These are original ratings that Sony predetermined according to the viewer's age. Each rating allows you to view the certain programs, as follows.

See pages 48 and 49 for a description of each rating.

**Child:** Suitable for children under the age of 6.

Viewable U.S. movie ratings: G, NR, and N/A  
Viewable U.S. TV ratings: TV-Y, TV-G, and TV-NR

**Youth:** Suitable for children aged 7 and older.  
Viewable U.S. movie ratings: G, PG, NR, and N/A

Viewable U.S. TV ratings: TV-Y, TV-Y7, TV-G, TV-PG, and TV-NR

**Young Adult:** Suitable for children aged 13 and older.

Viewable U.S. movie ratings: G, PG, PG-13, NR, and N/A  
Viewable U.S. TV ratings: TV-Y, TV-Y7, TV-G, TV-PG, TV-14, and TV-NR

(continued)

47

## Adjusting Your SET UP (menus) (continued)

### U.S. movie ratings

U.S. movie ratings are for movies (including those shown on TV) rated according to the Motion Picture Association of America (MPAA) Guidelines.

#### G (General Audiences—All Ages

**Admitted):** In G-rated films no strong words are used, the violence is at a minimum, nudity and sex scenes are not present, nor is there any drug use.

#### PG (Parental Guidance Suggested. Some Material May Not Be Suitable For

**Children):** This is a film which may need to be monitored first by parents.

#### PG-13 (Parents Strongly Cautioned. Some Material May Be Inappropriate For

**Children Under 13):** Parents are alerted to be very careful about the attendance of their under-teenage children when viewing.

#### R (Restricted, Under 17 Require

**Accompanying Parent Or Adult Guardian):** This film includes hard language, tough violence, nudity, drug abuse or other elements of concern.

#### NC-17 or X (No One 17 Or Under

**Admitted.):** This is a film that most parents would consider not suitable for children aged 17 and under. There may be violence, sex, aberrational behavior, drug abuse or other elements of concern.

**NR (Not Rated):** This is a film that a producer has not rated, intending to have his film widely released.

**N/A (Not Applicable):** This is a film that a producer considers outside the scope of the MPAA ratings.

#### Note:

- NR and N/A ratings are shown together as “Unrated” in the menu.

### U.S. TV ratings

U.S. TV ratings are for TV programs rated according to the U.S. Television Parental Guidelines.

**TV-Y (All Children):** This program is designed for young children aged 2–6 and is appropriate for all children.

**TV-Y7 (Directed to Older Children):** This program is designed for children aged 7 and above. Themes and elements in this program may include mild fantasy violence or slapstick violence, or may frighten children under the age of 7.

**TV-G (General Audience):** Most parents would find this program suitable for all ages. It contains little or no violence, no strong language and little or no sexual dialog or situations.

**TV-PG (Parental Guidance Suggested):** This program contains some material that parents may find unsuitable for younger children.

**TV-14 (Parents Strongly Cautioned):** This program contains some material that many parents would find unsuitable for children under the age of 14.

**TV-MA (Mature Audience Only):** This program is specifically designed to be viewed by adults and therefore may be unsuitable for children under the age of 17.

48

**TV-NR (Not Rated/Unrated):** This is a program broadcast without any rating, such as news, news flashes or sports.

#### Note:

The TV-NR rating is shown as “Unrated” in the menu.

### About the extenders of U.S. TV ratings

TV-Y7, TV-PG, TV-14 and TV-MA ratings have additional content ratings called “extenders” to define additional viewing limits. The extenders are defined as follows:

**D (sexually suggestive Dialog):** Programs containing suggestive dialog, or sexual innuendo

**FV (Fantasy Violence):** Programs containing cartoon violence occurring in TV-Y7 programs only

**L (coarse Language):** Programs containing coarse language

**S (Sexual situations):** Programs containing sexual content

**V (Violence):** Programs containing violence There may be some profanity, violence or brief nudity in these programs.

### Ratings in Canada

#### Sony's predetermined ratings

These are original ratings that Sony predetermined according to the viewer's age. Each rating allows you to view the certain programs, as follows.

See the right column to page 50 for a description of each rating.

**Child:** Suitable for children under the age of 7.

Viewable Canadian English Language

ratings: C and G

Viewable Canadian French Language

ratings: G

Viewable U.S. TV ratings: TV-Y, TV-G, and

TV-NR

**Youth:** Suitable for children aged 8 and older.

Viewable Canadian English Language

ratings: C, G, C8+ and PG

Viewable Canadian French Language

ratings: G and 8 ans+

Viewable U.S. TV ratings: TV-Y, TV-Y7, TV-

G, TV-PG, and TV-NR

**Young Adult:** Suitable for children aged 14 and older.

Viewable Canadian English Language

ratings: C, G, C8+, PG and 14+

Viewable Canadian French Language

ratings: G, 8 ans+, 13 ans+

Viewable U.S. TV ratings: TV-Y, TV-Y7, TV-G, TV-PG, TV-14, and TV-NR

### Canadian English Language ratings

The Canadian English Language Ratings are for TV programs in English broadcast in Canada.

#### C (Programming intended for children

**under age 8):** There will be no realistic scenes of violence or no offensive language, nudity or sexual content. Careful attention is paid to themes, which could threaten children's sense of security and well-being.

**G (General Audience):** Will contain very little violence, either physical or verbal or emotional. There may be some inoffensive slang, no profanity and no nudity.

(continued)

49

## ■■■ Adjusting Your SET UP (menus) (continued)

**C8+ (Programming generally considered acceptable for children 8 years and over to watch on their own):** Violence will not be portrayed as the preferred, acceptable, or only way to resolve conflict; or encourage children to imitate dangerous acts which they may see on television. There will be no profanity, nudity or sexual content.

**PG (Parental Guidance):** Programming intended for a general audience but which may not be suitable for younger children. Parents may consider some content inappropriate for unsupervised viewing by children aged 8 - 13.

**14+ (Programming contains themes or content which may not be suitable for viewers under the age of 14):** Parents are strongly cautioned to exercise discretion in permitting viewing by pre-teens and early teens.

**18+ (Adult):** May contain violence integral to the development of the plot, character or theme, intended for adult audiences. May contain graphic language and explicit portrayals of nudity and/or sex.

**E (Exempt):** Exempt programming includes: news, sports documentaries and other information programming: talk shows, music videos, and variety programming.

**Note:**

The E (Exempt) rating is not shown in the menu.

### Canadian French Language ratings

The Canadian French Language Ratings are for TV programs in French broadcast in Canada.

**G (General):** Programming intended for audience of all ages. Contains no violence, or the violence it contains is minimal or is depicted appropriately with humor or caricature or in an unrealistic manner.

**8 ans+ (8+ General - Not recommended for young children):** Programming intended for a broad audience but contains light or occasional violence that could disturb young children. Viewing with an adult is recommended for young children (under the age of 8).

**13 ans+ (Programming may not suitable for children under the age of 13):** Viewing with an adult is strongly recommended for children under 13.

**16 ans+ (Programming is not suitable for children under the age of 16):** Contains frequent scenes of violence or intense violence.

**18 ans+ (Programming restricted to adults):** Contains constant violence or scenes of extreme violence.

**E (Exempt):** Exempt programming.

**Note:**

The E (Exempt) rating is not shown in the menu.

50

## ■■■ Operating Video Equipment

### Setting the Manufacturer's Code

You can use the supplied remote control to operate Sony or non-Sony video equipment that has an infrared sensor.

- Set the VTR 1/2/3/DVD/MDP switch to the input through which you would like to access your video equipment.

The following Sony equipment is preset to each input as shown below:

VTR1 (303)     Beta, ED Beta VCRs  
 VTR2 (302)     8 mm VCR  
 VTR3 (301)     VHS VCR  
 DVD/MDP (751)     DVD Player

- Press CODE SET, DVD/VTR (FUNCTION), and the 0-9 buttons to enter the manufacturer's code number (see the following chart), then press ENTER.

For example, to operate a Sony 8mm VCR:



**If the remote control doesn't work**

- See the tips on page 53.

### VCR manufacturer code numbers

| Manufacturer            | Code                              |
|-------------------------|-----------------------------------|
| Sony                    | 301, 302, 303                     |
| Aiwa                    | 338                               |
| Admiral (M. Ward)       | 327                               |
| Audio Dynamic           | 314, 337                          |
| Bell & Howell (M. Ward) | 330                               |
| Broksonic               | 319, 317                          |
| Canon                   | 309, 308                          |
| Citizen                 | 332                               |
| Craig                   | 302, 332                          |
| Curtis Mathis           | 304, 338, 309                     |
| Daewoo                  | 341, 312, 309                     |
| DBX                     | 314, 336, 337                     |
| Dimensia                | 304                               |
| Emerson                 | 319, 320, 316, 317, 318, 341      |
| Fisher                  | 330, 335                          |
| Funai                   | 338                               |
| General Electric        | 329, 304, 309                     |
| Go Video                | 340, 339, 322                     |
| Goldstar                | 332                               |
| Hitachi                 | 306, 304, 305, 338                |
| Instant Replay          | 309, 308                          |
| JC Penney               | 309, 305, 304, 330, 314, 336, 337 |
| JVC                     | 314, 336, 337                     |
| Kenwood                 | 314, 336, 332, 337                |
| LXI (Sears)             | 332, 305, 330, 335, 338           |
| Magnavox                | 308, 309, 310                     |
| Marantz                 | 314, 336, 337                     |
| Marta                   | 332                               |
| Memorex                 | 309, 335                          |
| Minolta                 | 305, 304                          |
| Mitsubishi/MGA          | 323, 324, 325, 326                |
| Multitech               | 325, 338, 321                     |
| NEC                     | 314, 336, 337                     |
| Olympic                 | 309, 308                          |
| Optimus                 | 327                               |

|                          |   |
|--------------------------|---|
| Panasonic                | 308, 309, 306, 307                          |
| Pentax                   | 305, 304                                    |
| Philco                   | 308, 309                                    |
| Philips                  | 308, 309, 310                               |
| Pioneer                  | 308   |
| Quasar                   | 308, 309, 306                               |
| RCA/PROSCAN              | 304, 305, 308, 309, 311, 329, 312, 313, 310 |
| Realistic                | 309, 330, 328, 335, 324, 338                |
| Sansui                   | 314   |
| Samsung                  | 322, 313, 321                               |
| Sanyo                    | 330, 335                                    |
| Scott                    | 312, 313, 321, 335, 323, 324, 325, 326      |
| Sharp                    | 327, 328                                    |
| Signature 2000 (M. Ward) | 338, 327                                    |
| Sylvania                 | 308, 309, 338, 310                          |
| Symphonic                | 338   |
| SV2000                   | 338   |
| Tashiro                  | 332   |
| Tatung                   | 314, 336, 337                               |
| Teac                     | 314, 336, 338, 337                          |
| Technics                 | 309, 308                                    |
| Teknica                  | 338   |
| Toshiba                  | 312, 311                                    |
| Wards                    | 327, 328, 335, 331, 332                     |
| Yamaha                   | 330, 314, 336, 337                          |
| Zenith                   | 331   |

### MDP manufacturer code numbers

| Manufacturer | Code     |
|--------------|----------|
| Sony         | 701      |
| Panasonic    | 704, 710 |
| Mitsubishi   | 702      |

51



## Operating Video Equipment (continued)

### DVD Player manufacturer code numbers

| Manufacturer | Code |
|--------------|------|
| Sony         | 751  |
| Panasonic    | 753  |
| Pioneer      | 752  |
| RCA          | 755  |
| Toshiba      | 754  |

#### Tips

- In some rare cases, you may not be able to operate your non-Sony video equipment with the supplied remote control. In this case, please use the equipment's own remote control.
- When you remove the batteries, the code number may revert to the factory setting.

### To operate video equipment

- Set the VTR1/2/3/DVD/MDP switch to the input through which you would like to access your video equipment.
- Press DVD/VTR (FUNCTION).
- Use the VCR/DVD/MDP operation buttons indicated in the following tables.

### Operating a VCR using the remote control

|   |  |
|---|--|
| To turn On/Off                            | Press DVD/VTR (POWER). [Green Button]                          |
| To select a channel                       | Press the 0 – 9 buttons.                                       |
| To change channels                        | Press CH +/-.  |
| To record                                 | Press  while pressing  (REC) (upper).                          |
| To play                                   | Press .  |
| To stop                                   | Press .  |
| To fast forward                           | Press .  |
| To rewind the tape                        | Press .  |
| To pause                                  | Press . Press again to resume normal playback.                 |
| To search the picture forward or backward | Press  or  during playback. Release to resume normal playback. |
| To change input mode                      | Press TV/VTR.  |

### Operating an MDP using the remote control

|                |  |
|----------------|--|
| To turn On/Off | Press DVD/VTR (POWER). [Green Button]          |
| To play        | Press .  |
| To stop        | Press .  |
| To pause       | Press . Press again to resume normal playback. |

|   |  |
|---|--|
| To search the picture forward or backward | Press  or  during playback. Release to resume normal playback. |
| To search a chapter forward or backward   | Press CH +/-.  |

### Operating a DVD Player using the remote control

|  |  |
|--|--|
| To turn On/Off                                     | Press DVD/VTR (POWER). [Green Button]                |
| To play  | Press .  |
| To stop  | Press .  |
| To pause   | Press . Press again to resume normal playback.       |
| To step through different tracks of an audio disc  | Press  to step forward or  to step backward.         |
| To step through different chapters of a video disc | Press CH + to step forward or CH – to step backward. |
| To display the Title menu                          | Press TITLE.   |
| To select DVD multilingual sound                   | Press AUDIO repeatedly. [Pink Labeled Button]        |
| To display the DVD menu                            | Press DVD MENU.                                      |
| To select tracks directly                          | Press 0-9 buttons.                                   |
| To display the menu (Set up)                       | Press MENU.  |

52

## Operating a Cable Box or Satellite Receiver (SAT)

### Setting the Manufacturer's Code

You can program the supplied remote control to operate a cable box or satellite receiver.

Press CODE SET, SAT/CABLE (FUNCTION), and the 0-9 buttons to enter the manufacturer's code number (see the following chart), then press ENTER.

For example, to operate a Sony satellite receiver:



### Manufacturer code numbers (cable box)

| Manufacturer       | Code   |
|--------------------|--|
| Hamlin/Regal       | 222, 223, 224, 225, 226                          |
| Jerrold/G. I.      | 201, 202, 203, 204, 205, 222, 206, 207, 208, 218 |
| Oak                | 227, 228, 229                                    |
| Panasonic          | 219, 220, 221                                    |
| Pioneer            | 214, 215   |
| Scientific Atlanta | 209, 210, 211                                    |
| Tocom              | 216, 217   |
| Zenith             | 212, 213   |

### Manufacturer code numbers (satellite receiver)

| Manufacturer    | Code number                          |
|-----------------|--------------------------------------|
| Sony            | 801 (preset code for remote control) |
| Geneal Electric | 802, 808                             |
| Hitachi         | 805                                  |
| Hughes          | 804                                  |
| Panasonic       | 803                                  |
| RCA/PROSCAN     | 802                                  |
| Toshiba         | 806, 807                             |

### To operate the cable box or satellite receiver (SAT)

- Press SAT/CABLE (POWER) [Green Button] to turn on/off the cable box or satellite receiver.
- Press SAT/CABLE (FUNCTION).
- For other operations, refer to the operating instructions that come with the equipment.  
The GUIDE and INDEX (blue-labeled) buttons can be used only with a satellite receiver.

### If the remote control doesn't work

- Try repeating the set up procedures using the other codes listed for your equipment.

### To operate the projection TV

Press TV (FUNCTION). Then use the projection TV control buttons to control the projection TV.

#### Tips

- If more than one code number is listed, try entering them one by one until you come to the correct code for your equipment.
- If you enter a new code number, the code number you previously entered at that setting is erased.
- In some rare cases, you may not be able to operate your equipment with the supplied remote control. In this case, use the equipment's own remote control unit.
- Whenever you remove the batteries — to replace them, for example — if too much time is taken, the code numbers may revert to the factory setting and must be reset.

53

## Troubleshooting

If, after reading the following instructions, you have additional questions related to the use of your Sony projection TV, please call one of the following numbers (English only).

Customers in the continental United States contact the Direct Response Center at: 1-800-222-SONY (7669)

Customers in Canada contact the Customer Relations Center at: (416) 499-SONY (7669)

|  |   |
|--|---|
| <b>The picture turns off and the TIMER/STAND BY indicator on the front panel flashes (self-diagnosis function)</b> | <ul style="list-style-type: none"> <li>The projection TV is equipped with a self-diagnosis function. If there is a problem with your projection TV, the TIMER/STAND BY indicator on the front panel will flash repeatedly. Counting the number of flashes helps you inform qualified Sony personnel of the projection TV's condition.</li> <li>Press POWER on the projection TV to turn it off, then inform qualified Sony personnel or the above Direct Response Center of the number of flashes.</li> </ul>   |
| <b>No picture (screen not lit), no sound</b>   | <ul style="list-style-type: none"> <li>Make sure the power cord is plugged in.</li> <li>Operate with the buttons on both the projection TV and the remote control.</li> <li>Check to see if the TV/VIDEO setting is correct: when watching TV, set to TV, and when watching video tapes, set to VIDEO 1, 2, 3, 4 or 5.</li> <li>Try another channel. <i>It could be station trouble.</i></li> <li>Perform AUTO SET UP again using the SET UP button to return to the factory preset condition. (see "To perform AUTO SET UP again" on page 20)</li> <li>The Parental Control feature is activated. (see "To deactivate the Parental Control feature" on page 41)</li> </ul> |
| <b>Remote control does not operate</b>   | <ul style="list-style-type: none"> <li>Batteries could be weak. Replace the batteries.</li> <li>Press TV (FUNCTION) when operating your projection TV.</li> <li>Make sure the projection TV's power cord is connected securely to the wall outlet.</li> <li>Locate the projection TV at least 3-4 feet away from fluorescent lights.</li> <li>Check the S-Link connection. (see "Using the S-Link Function" on page 16)</li> <li>Check the polarity of the batteries.</li> </ul>  |
| <b>Dark, poor or no picture (screen lit), good sound</b>   | <ul style="list-style-type: none"> <li>Adjust "Picture" in the Video menu. (see "Picture Adjustment" on page 30)</li> <li>Adjust "Brightness" in the Video menu. (see "Picture Adjustment" on page 30)</li> <li>Check antenna/cable connections.</li> <li>Perform AUTO SET UP again using the SET UP button to return to the factory preset condition. (see "To perform AUTO SET UP again" on page 20)</li> <li>Adjust the convergence again using the FLASH FOCUS button. (see "Adjusting the Convergence Automatically (FLASH FOCUS)" on page 20)</li> </ul>  |
| <b>Good picture, no sound</b>  | <ul style="list-style-type: none"> <li>Press MUTING so that "Muting" disappears from the screen. (see "MUTING" on page 21)</li> <li>Check the "MTS/SAP" setting in the Audio menu. (see "MTS/SAP" on page 31)</li> <li>Make sure "Speaker" is set to "On" in the Audio menu. (see "Speaker" on page 32)</li> <li>Perform AUTO SET UP again using the SET UP button to return to the factory preset condition. (see "To perform AUTO SET UP again" on page 20)</li> </ul>  |

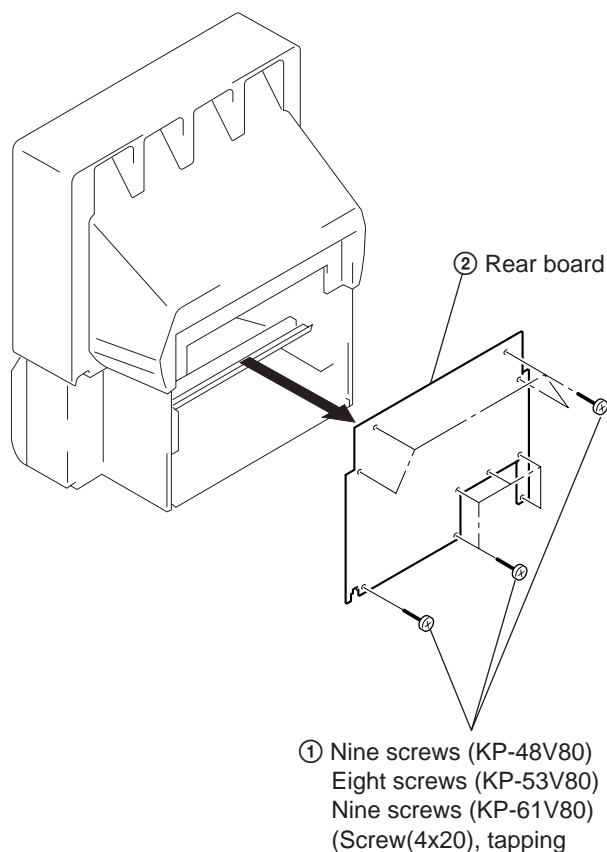
54

|   |   |
|---|---|
| <b>Cannot receive upper channels (UHF) when using an antenna</b>                                      | <ul style="list-style-type: none"> <li>Make sure "Cable" is "Off" in the Channel Set Up menu. (see "Cable" on page 35)</li> <li>Use "Auto Program" to add receivable channels that are not presently in the TV's memory. (see "Auto Program" on page 35)</li> </ul>   |
| <b>No color</b>   | <ul style="list-style-type: none"> <li>Adjust "Color" in the Video menu. (see "Picture Adjustment" on page 30)</li> <li>Black and white programs cannot be seen in color.</li> <li>Perform AUTO SET UP again using the SET UP button to return to the factory preset condition. (see "To perform AUTO SET UP again" on page 20)</li> </ul>      |
| <b>Only snow and noise appear on the screen</b>   | <ul style="list-style-type: none"> <li>Check the "Cable" setting in the Channel Set Up menu. (see "Cable" on page 35)</li> <li>Check the antenna/cable connections.</li> <li>Make sure the channel is broadcasting programs.</li> <li>Press ANT to change the input mode. (see "ANT" on page 23)</li> </ul>                                     |
| <b>Dotted lines or stripes</b>  | <ul style="list-style-type: none"> <li>Adjust the antenna.</li> <li>Keep the projection TV away from noise sources such as cars, neon signs or hair-dryers.</li> </ul>  |
| <b>TV is fixed to one channel</b>   | <ul style="list-style-type: none"> <li>Use "Auto Program" to add receivable channels that are not presently in TV's memory. (see "Auto Program" on page 35)</li> </ul>  |
| <b>Double images or ghosts</b>  | <ul style="list-style-type: none"> <li>Use a highly directional outdoor antenna or a cable (when the problem is caused by reflections from nearby mountains or tall buildings).</li> </ul>  |
| <b>Cannot operate the menu</b>  | <ul style="list-style-type: none"> <li>If the item you want to choose appears in gray, you cannot select it.</li> <li>Press the projection TV's power button off and on again.</li> </ul>   |
| <b>Cannot receive any channels when using cable TV</b>  | <ul style="list-style-type: none"> <li>Make sure "Cable" is "On" in the Channel Set Up menu. (see "Cable" on page 35)</li> <li>Use "Auto Program" to add receivable channels that are not presently in the TV's memory. (see "Auto Program" on page 35)</li> </ul>  |
| <b>Cannot gain enough volume when using a cable box</b>   | <ul style="list-style-type: none"> <li>Increase the volume at the cable box. Then press TV (FUNCTION) and adjust the projection TV's volume.</li> </ul>   |
| <b>Projection TV malfunctions when using the S-Link function</b>                                      | <ul style="list-style-type: none"> <li>Make sure the projection TV's power cord is connected securely to the wall outlet.</li> <li>Check the S-Link connection. (see "Using the S-Link Function" on page 16)</li> </ul>   |
| <b>CHANNEL INDEX does not display all available channels</b>  | <ul style="list-style-type: none"> <li>Make sure "Cable" is "On" in the Channel Set Up menu. (see "Cable" on page 35)</li> <li>Use "Auto Program" to add receivable channels that are not presently in the TV's memory. (see "Auto Program" on page 35)</li> </ul>  |
| <b>Favorite Channel does not display your choices</b>   | <ul style="list-style-type: none"> <li>Verify that "Favorite Channel" is set to "Manual" in the Channel Set Up menu. (see "Setting Favorite Channel manually" on page 36)</li> </ul>  |
| <b>Some video sources do not appear when you press TV/VIDEO</b>                                       | <ul style="list-style-type: none"> <li>Ensure that "Video Label" is not set to "Skip." (see "Video Label" on page 39)</li> </ul>  |
| <b>Recording through MONITOR OUT does not function properly when recording in PIP or P&amp;P mode</b> | <ul style="list-style-type: none"> <li>MONITOR OUT will not record both images in PIP or P&amp;P. Only the main picture will be recorded.</li> <li>If you are recording the main picture and you switch to the sound of the sub picture using the AUDIO button, the main picture will be recorded with sound from the other program.</li> </ul> |
| <b>Cannot play shooting games</b>   | <ul style="list-style-type: none"> <li>Some shooting games which involve pointing a light beam at the TV screen with an electronic gun or rifle cannot be used with this projection TV. For details, see the instruction manual supplied with the video game software.</li> </ul>   |

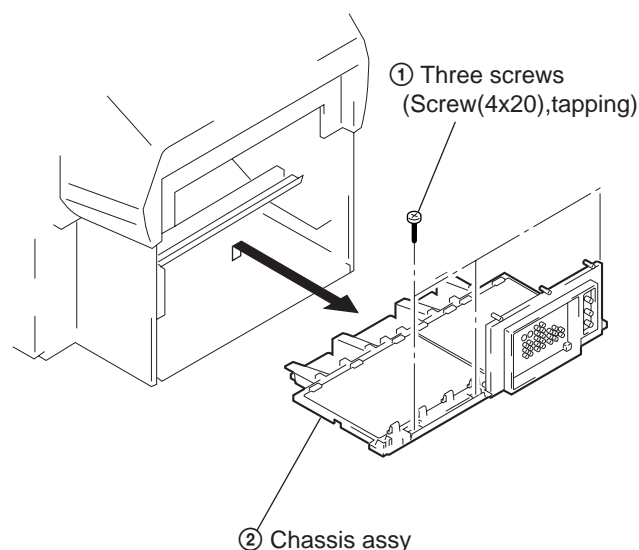
55

## SECTION 2 DISASSEMBLY

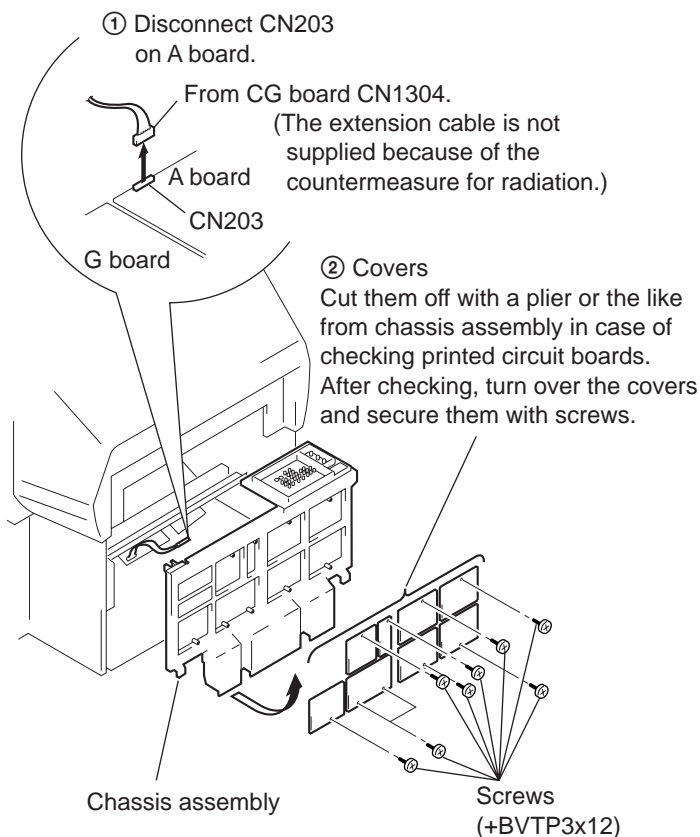
### 2-1. REAR BOARD REMOVAL



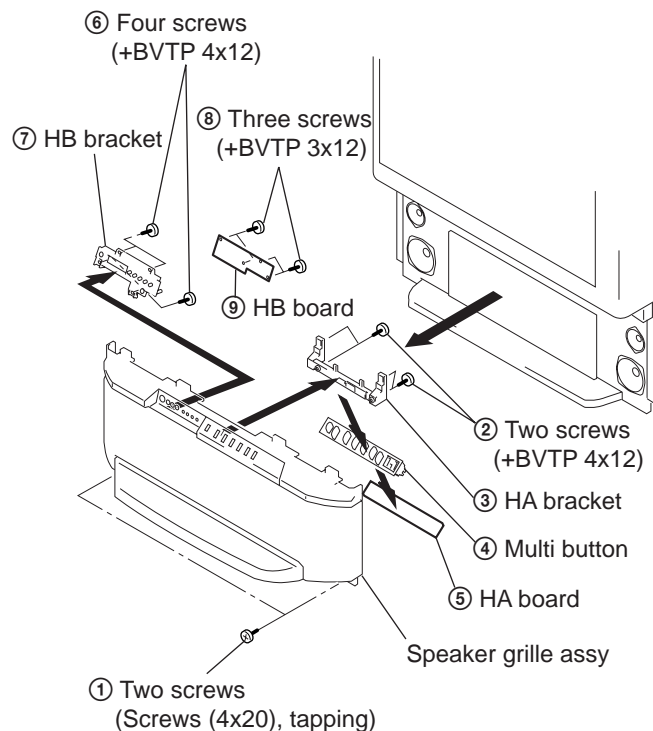
### 2-2. CHASSIS ASSY REMOVAL



### 2-3. SERVICE POSITION

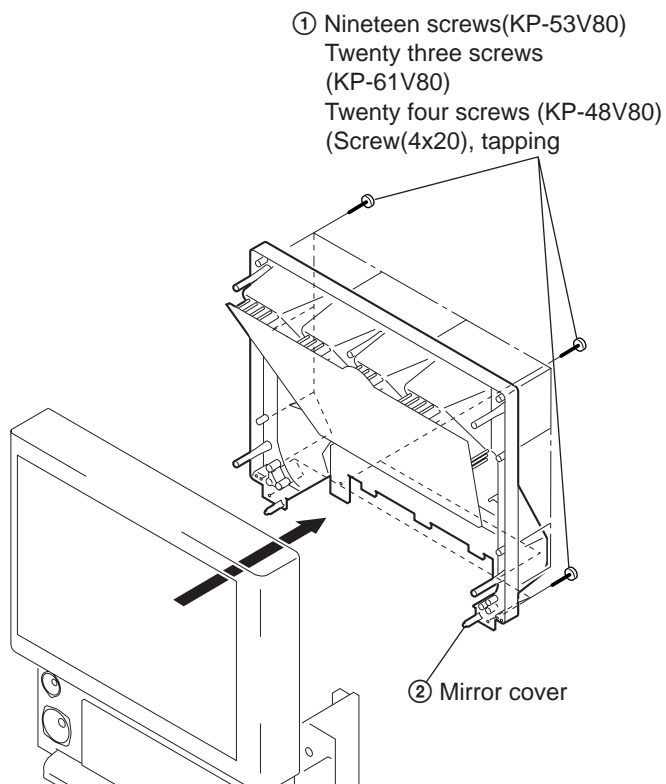


### 2-4. HA BOARD AND HB BOARD REMOVAL

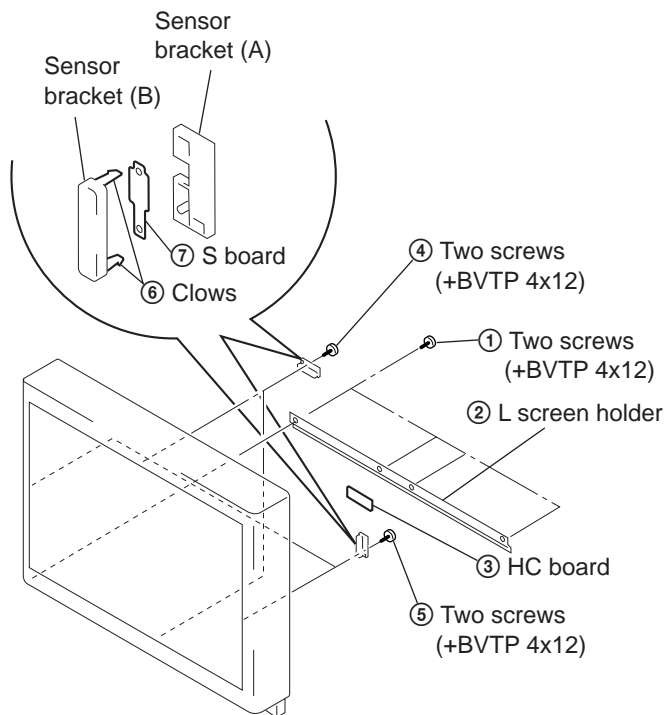




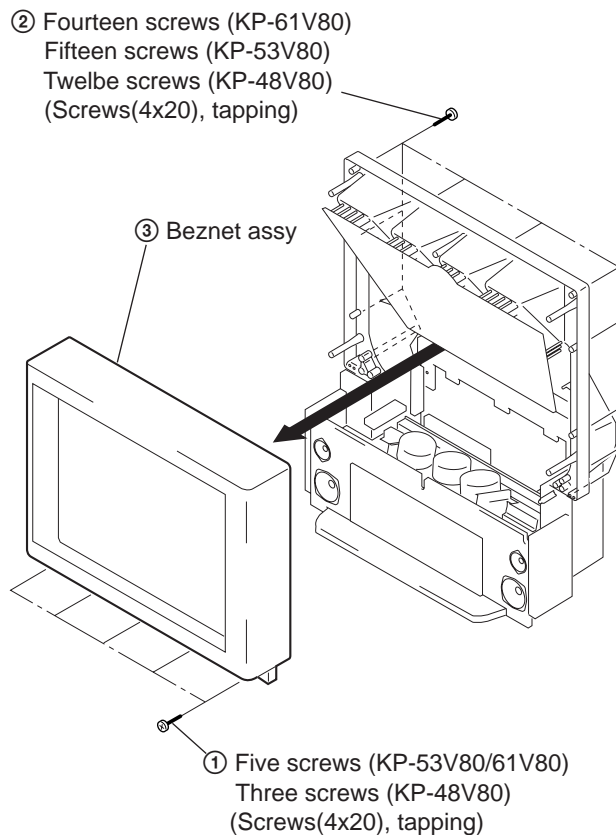
## 2-5. MIRROR COVER REMOVAL



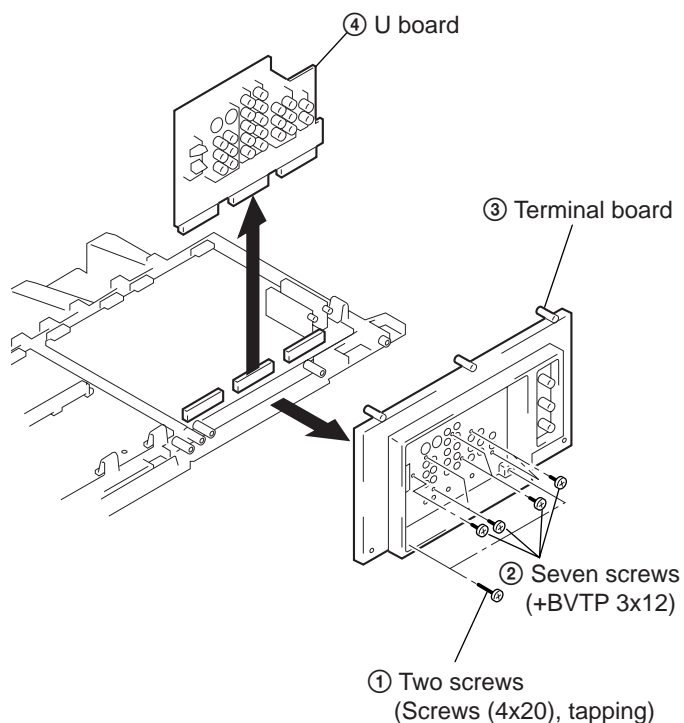
## 2-7. HC BOARD AND S BOARD REMOVAL



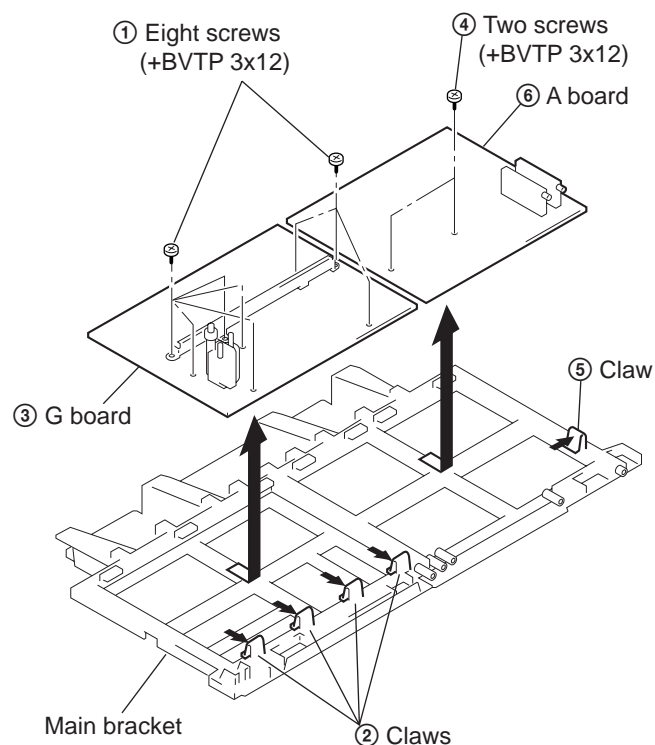
## 2-6. BEZNET ASSY REMOVAL



## 2-8. U BOARD AND TERMINAL BOARD REMOVAL

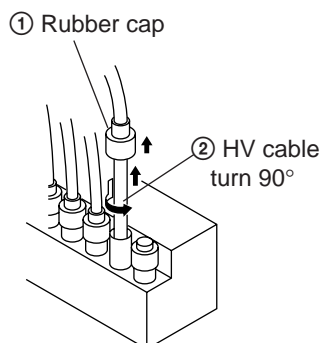


## 2-9. A BOARD AND G BOARD REMOVAL

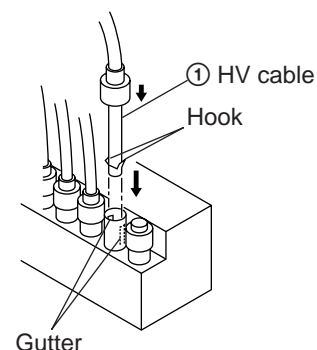


## 2-11. HIGH-VOLTAGE CABLE INSTALLATION AND REMOVAL

### (1) Remover

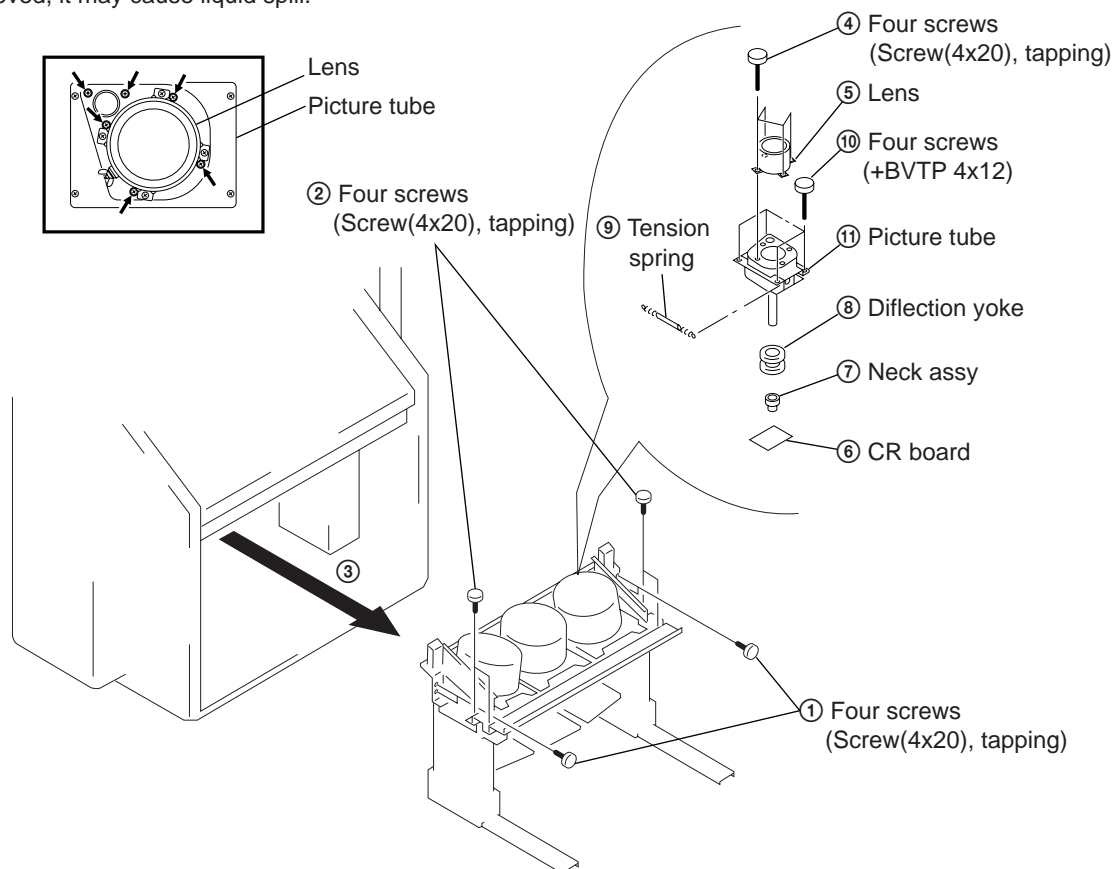


### (2) Installation



## 2-10. PICTURE TUBE REMOVAL

**CAUTION:** Removing the arrow-marked screws is strictly prohibited. If removed, it may cause liquid spill.



## SECTION 3

### SET-UP ADJUSTMENTS

#### 3-1. SCREEN VOLTAGE ADJUSTMENT (ROUGH ALIGNMENT)

1. Receive the Monoscope signal.
2. Set 50% BRIGHTNESS and minimum PICTURE.
3. Turn the red VR on the FOCUS block all the way to the left and then gradually turn it to the right until the point where you can see the retrace line.
4. Next gradually turn it to the left to the position where the retrace line disappears.

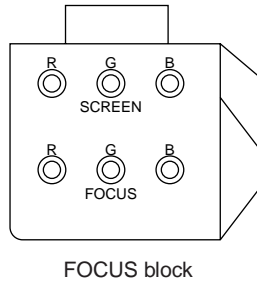


Fig. 3-1

#### 3-2. FOCUS LENS ADJUSTMENT

In this adjustment, use the remote commander in the service mode.

For details of the usage of the service mode and the remote commander, please refer the item 3-9. ELECTRICAL ADJUSTMENT BY REMOTE COMMANDER.

1. Loosen the lens screw.
2. Set to the service mode.
3. Change TV mode to the video input mode.
4. Set to PJE, and press 6 to display the test signal (crosshatch) on the screen.
5. Set VPNT 28 RON to "000", 29 GON to "001" and 30 BON to "000" to show only the green color.
6. Turn the green lens to adjust to the optimum focus point with the test signal.
7. Tighten the lens screw.
8. Set VPNT 28 RON to "001", 29 GON to "000" and 30 BON to "000" to show only the red color.
9. Adjust red CRT lens just the same as green.

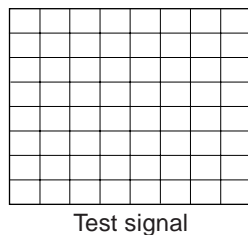


Fig. 3-2

10. Set VPNT 28 RON to "000", 29 GON to "000" and 30 BON to "001" to show only the blue color.
11. Adjust blue CRT lens just the same as green.

\*: Every time you press 6, the test signal changes to "crosshatch+video signal" - "dots+video signal" - "crosshatch(black)" - "dots(black)" - off.

#### 3-3. SCREEN (G2) ADJUSTMENT

1. Select VIDEO1 mode without signals.
2. Connect an oscilloscope to the TP701(KR), TP732(KG) and TP761(KB) of CR board, CG board and CB board.
3. Adjust R, G and B screen voltage to 170 – 173V with screen VR on the Focus block.

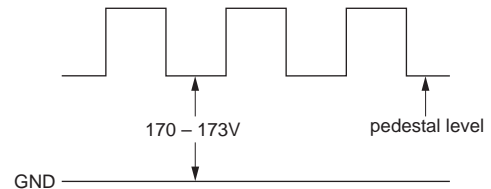


Fig. 3-3

#### 3-4. FOCUS VR ADJUSTMENT

1. Set to the service mode.
2. Change TV mode to the video input mode.
3. Set to PJE, and press 6 to display the test signal (crosshatch) on the screen.
4. Set VPNT 28 RON to "000", 29 GON to "001" and 30 BON to "000" to show only the green color.
5. Turn the green VR on the focus block to adjust to the optimum focus point with the test signal.
6. Set VPNT 28 RON to "001", 29 GON to "000" and 30 BON to "000" to show the red color.
7. Turn the red VR on the focus block to adjust to the optimum focus point with the test signal.
8. Set VPNT 28 RON to "000", 29 GON to "000" and 30 BON to "001" to show the blue color.
9. Turn the blue VR on the focus block to adjust to the optimum focus point with the test signal.

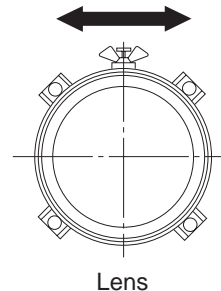


Fig. 3-4

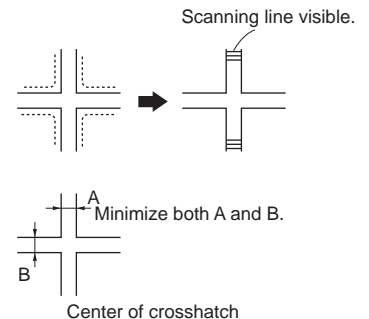
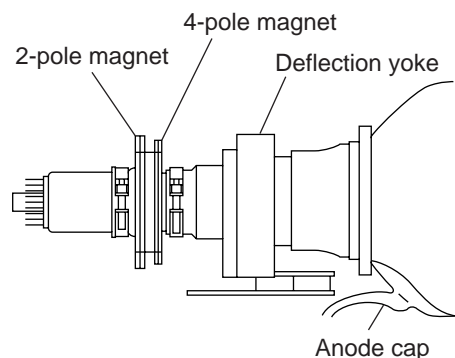


Fig. 3-5

### 3-5. DEFLECTION YOKE TILT ADJUSTMENT

1. Receive the Monoscope signal.
2. Set in service mode.
3. Set VPNT 29 GON to "001" 28 RON to "000" and 30 BON to "000" to show only the green color.
4. Loosen the deflection yoke set screw and align the tilt of the Deflection Yoke so that the bars at the center of the monoscope pattern are horizontal.
5. After aligning the deflection yoke, fasten it securely to the funnel-shaped portion (neck) of the CRT.
6. The tilt of the deflection yoke for red is aligned in the mode VPNT 28 RON "001", 29 GON "000", 30 BON "000" on the service mode menu, and the tilt of the deflection yoke for blue is aligned with in the mode VPNT 28 RON "000", 29 GON "000", 30 BON "001" on the service menu, is aligned the same as was done for green.

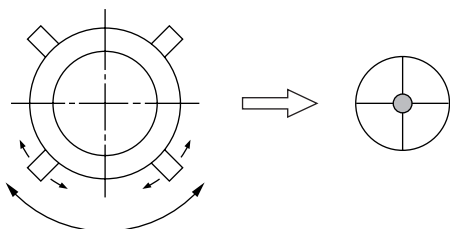


**Fig. 3-6**

### 3-6. 2-POLE MAGNET ADJUSTMENT (GREEN,RED)

1. Receive the Dot signal.
2. Set in service mode.
3. Set VPNT 29 GON to "001" 28 RON to "000" and 30 BON to "000" to show only the green color.
4. Turn the green VR on the focus block to the right and set to overfocus to enlarge the spot.
5. Now align the 2-Pole Magnet so that the enlarged spot is in the center of the Just Focus spot.
6. Align the green focus VR and set for just (precise) focus.
7. Perform the same alignment for red.

Use the center dot

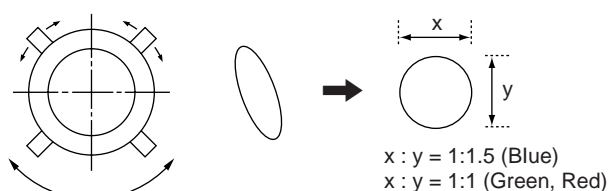


**Fig. 3-7**

### 3-7. 4-POLE MAGNET ADJUSTMENT

1. Receive the Dot signal.
2. Set in service mode.
3. Set VPNT 29 GON to "001" 28 RON to "000" and 30 BON to "000" to show only the green color.
4. Turn the green VR on the focus block to the left and set to underfocus to enlarge the spot.
5. Now align the 4-Pole Magnet so that the enlarged spot becomes a perfect circle for green and red.
6. Perform the same alignment for blue.

Use the center dot

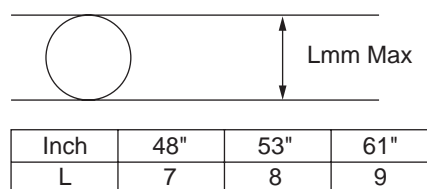


**Fig. 3-8**

### 3-8. DEFOCUS ADJUSTMENT (BLUE)

1. Select the video menu and set the mode to "Vivid" mode.
2. Set to the service mode.
3. Change TV mode to the video input mode.
4. Set to PJE, and press 6 to display the test signal (dots) on the screen.
5. Turn the blue VR on the focus block to adjust to the diameter of the dots as shown in the figure below.

[Focus adjustment point]



**Fig. 3-9**

### 3-9. ELECTRICAL ADJUSTMENT BY REMOTE COMMANDER

By using Remote Commander (RM-Y905), all circuit adjustments can be made.

#### NOTE : Test Equipment Required.

1. Pattern Generator
2. Frequency counter
3. Digital multimeter
4. Audio oscillator

#### 1. METHOD OF SETTING THE SERVICE ADJUSTMENT MODE

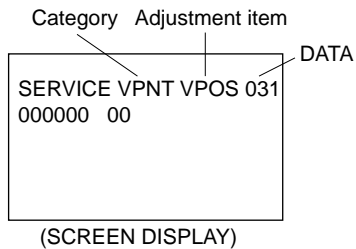
##### SERVICE MODE PROCEDURE

1. Standby mode. (Power off)
2. **DISPLAY** → **5** → **VOL (+)** → **TV POWER**  
( **+** → **5** → **△** → **□** )

on the Remote Commander.

(Press each button within a second.)

##### SERVICE MODE ADJUSTMENT



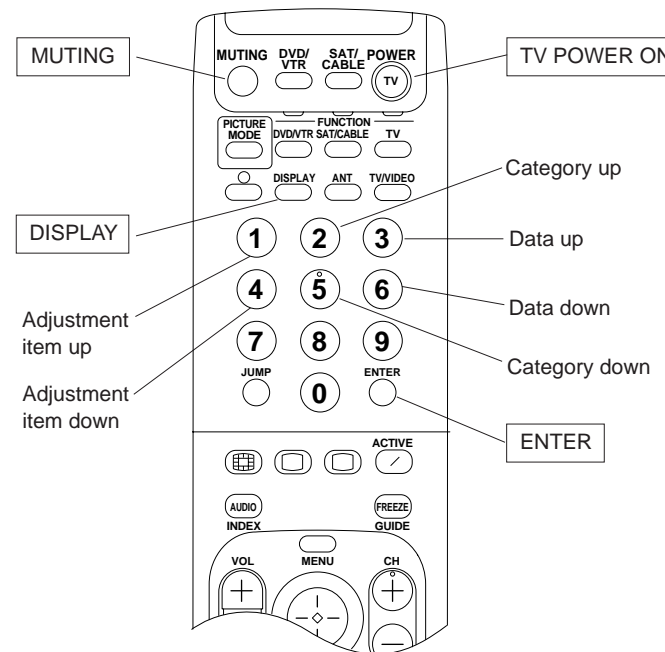
3. The SCREEN displays the item being adjusted.
4. Press **1** or **4** on the Remote Commander to select the adjustment item.
5. Press **3** or **6** on the Remote Commander to change the data.
6. Press **2** or **5** on the Remote Commander to select the category.
7. If you want to recover the latest values press **0** then **ENTER** to read the memory.
8. Press **MUTING** then **ENTER** to write into memory.
9. Turn power off.

Note: Press **8** then **ENTER** on the Remote Commander to initialize or turn set off and on to exit.

#### 2. MEMORY WRITE CONFIRMATION METHOD

1. After adjustment, remove the plug from AC outlet, and then replace the plug in AC outlet again.
2. Turn the power switch ON and set to Service Mode.
3. Call the adjusted items again and confirm they were adjusted.

#### 3. ADJUST BUTTONS AND INDICATOR



RM-Y905

Note : In the PJE mode these are different a little. See page 46.

#### 4. SERVICE MODE LIST

: Fixed data

##### VPNT

| ITEM NUMBER | ADJUSTMENT ITEM | DATA RANGE | STANDARD DATA | NOTE                          |
|-------------|-----------------|------------|---------------|-------------------------------|
| 0           | VPOS            | 0-63       | 31            | V POSITION                    |
| 1           | VSIZ            | 0-63       | 31            | V SIZE                        |
| 2           | VCOM            | 0-3        | 0             | V COMP                        |
| 3           | VLIN            | 0-15       | 7             | V LINEARITY                   |
| 4           | VSCO            | 0-15       | 7             | V SCURVE CORRECTION           |
| 5           | HPOS            | 0-15       | 7             | H POSITION                    |
| 6           | HSIZ            | 0-63       | 31            | H SIZE                        |
| 7           | PAMP            | 0-63       | 31            | PIN AMP                       |
| 8           | UPIN            | 0-15       | 7             | UPPER CORNER PIN DISTORTION   |
| 9           | LPIN            | 0-15       | 7             | LOWER CORNER PIN DISTORTION   |
| 10          | PPHA            | 0-15       | 5             | PIN PHASE                     |
| 11          | AFC             | 0-3        | 2             | AFC LOOP GAIN                 |
| 12          | VBOW            | 0-15       | 7             | V BOW                         |
| 13          | VANG            | 0-15       | 7             | V ANGLE                       |
| 14          | REF             | 0-3        | 3             | REFERENCE PULSE POSITION      |
| 15          | RDRV            | 0-63       | 31            | RED DRIVE GAIN                |
| 16          | BDRV            | 0-63       | 31            | BLUE DRIVE GAIN               |
| 17          | RCUT            | 0-15       | 7             | RED CUTOFF                    |
| 18          | BCUT            | 0-15       | 7             | BLUE CUTOFF                   |
| 19          | SCON            | 0-15       | 7             | SUB CONTRAST                  |
| 20          | SHUE            | 0-15       | 7             | SUB HUE                       |
| 21          | SCOL            | 0-15       | 7             | SUB COLOR                     |
| 22          | CDM2            | 0,1        | 0             | COUNT DOWN MODE2              |
| 23          | DPIX            | 0,1        | 1             | DYNAMIC PICTURE               |
| 24          | NOTC            | 0,1        | 0             | Y CHROMA TRAP                 |
| 25          | CROM            | 0-15       | 7             | CHROMA TRAP F0                |
| 26          | TOT             | 0,1        | 0             | CHROMA TOT FILTER             |
| 27          | SHPF            | 0-3        | 3             | SHARPNESS F0                  |
| 28          | RON             | 0,1        | 1             | RED ON                        |
| 29          | GON             | 0,1        | 1             | GREEN ON                      |
| 30          | BON             | 0,1        | 1             | BLUE ON                       |
| 31          | DCOL            | 0,1        | 1             | DYNAMIC COLOR                 |
| 32          | CDMD            | 0,1        | 0             | V COUNT DOWN                  |
| 33          | LBLK            | 0-15       | 13            | LEFT-SIDE BLANK WIDTH         |
| 34          | RBLK            | 0-15       | 13            | RIGHT-SIDE BLANK WIDTH        |
| 35          | PREC            | 0-3        | 1             | PRE OVER LEVEL FOR COMP .V IN |
| 36          | PREY            | 0-3        | 1             | PRE OVER LEVEL FOR Y IN       |

##### VPNV

| ITEM NUMBER | ADJUSTMENT ITEM | DATA RANGE | STANDARD DATA | NOTE                          |
|-------------|-----------------|------------|---------------|-------------------------------|
| 0           | SBRV            | 0-63       | 27            | SUB BRIGHTNESS FOR VIVID      |
| 1           | GMMV            | 0-3        | 2             | GAMMA LEVEL FOR VIVID         |
| 2           | YDCV            | 0,1        | 1             | Y-DC TRANSFER RATIO FOR VIVID |
| 3           | ABLV            | 0,1        | 1             | ABL MODE FOR VIVID            |
| 4           | AXIV            | 0,1        | 0             | AXIS R-Y,G-Y FOR VIVID        |

##### VPNS

| ITEM NUMBER | ADJUSTMENT ITEM | DATA RANGE | STANDARD DATA | NOTE                             |
|-------------|-----------------|------------|---------------|----------------------------------|
| 0           | SBRV            | 0-63       | 27            | SUB BRIGHTNESS FOR STANDARD      |
| 1           | GMMS            | 0-3        | 2             | GAMMA LEVEL FOR STANDARD         |
| 2           | YDCS            | 0,1        | 0             | Y-DC TRANSFER RATIO FOR STANDARD |
| 3           | ABLS            | 0,1        | 1             | ABL MODE FOR STANDARD            |
| 4           | AXIS            | 0,1        | 0             | AXIS R-Y,G-Y FOR STANDARD        |



## PJED

| ITEM NUMBER | ADJUSTMENT ITEM | DATA RANGE | STANDARD DATA | NOTE                                  |
|-------------|-----------------|------------|---------------|---------------------------------------|
| 0           | FDIS            | 0,1        | 0             | SELECT REGI DATA DISPLAY OF FINE ADJ  |
| 1           | OSDH            | 1-255      | 31            | PJED SERVICE MENU H POSITION          |
| 2           | OSDV            | 1-255      | 25            | PJED SERVICE MENU V POSITION          |
| 3           | FVST            | 0-255      | 25            | LINE NUMBER OF FINE ADJUST START      |
| 4           | V1ST            | 0-255      | 0             | V1 START DATA                         |
| 5           | V1CU            | 0-255      | 62            | V1 COUNT UP DATA                      |
| 6           | COHP            | 0-255      | 0             | H-PHASE OF ROUGH ADJ                  |
| 7           | FIHP            | 0-255      | 194           | H-PHASE OF FINE ADJ                   |
| 8           | TPHP            | 0-255      | 62            | H-PHASE OF TEST PATTERN               |
| 9           | DFHP            | 0-255      | 225           | H-PHASE OF DYNAMIC FOCUS              |
| 10          | DFHG            | -128-127   | -80           | H-2 GAIN OF DYNAMIC FOCUS             |
| 11          | DFVG            | -128-127   | -15           | V-2 GAIN OF DYNAMIC FOCUS             |
| 12          | PWM1            | 0-255      | 0             | PWM1                                  |
| 13          | PWM2            | 0-255      | 32            | H-PHASE OF AUTO REGI .TEST PATTERN    |
| 14          | HBLD            | 0-255      | 244           | H-PHASE OF RETURNED BLUE V LINE       |
| 15          | HBLW            | 0-63       | 23            | PULSE WIDTH OF RETURNED BLUE V LINE   |
| 16          | BLKP            | 0-255      | 27            | START BLANK PULSE                     |
| 17          | COGV            | -128-127   | X(*1)         | GREEN V CENT OFFSET DATA OF AUTO REGI |
| 18          | CORV            | -128-127   | X(*1)         | RED V CENT OFFSET DATA OF AUTO REGI   |
| 19          | COBV            | -128-127   | X(*1)         | BLUE V CENT OFFSET DATA OF AUTO REGI  |
| 20          | COGH            | -128-127   | X(*1)         | GREEN H CENT OFFSET DATA OF AUTO REGI |
| 21          | CORH            | -128-127   | X(*1)         | RED H CENT OFFSET DATA OF AUTO REGI   |
| 22          | COBH            | -128-127   | X(*1)         | BLUE H CENT OFFSET DATA OF AUTO REGI  |
| 23          | SOGV            | -128-127   | X(*1)         | GREEN V SKEW OFFSET DATA OF AUTO REGI |
| 24          | SORV            | -128-127   | X(*1)         | RED V SKEW OFFSET DATA OF AUTO REGI   |
| 25          | SOBV            | -128-127   | X(*1)         | BLUE V SKEW OFFSET DATA OF AUTO REGI  |
| 26          | SOGH            | -128-127   | X(*1)         | GREEN H SKEW OFFSET DATA OF AUTO REGI |
| 27          | SORH            | -128-127   | X(*1)         | RED H SKEW OFFSET DATA OF AUTO REGI   |
| 28          | SOBH            | -128-127   | X(*1)         | BLUE H SKEW OFFSET DATA OF AUTO REGI  |
| 29          | ERR             | FIXED      | 0             | AUTO REGI ERROR CODE                  |
| 30          | ADTM            | 0-255      | 144           | TIMING TO GET A/D DATA OF AUTO REGI   |
| 31          | VUP             | 1-255      | 1             | AUTO REGI PATTERN UPPER V POSITION    |
| 32          | VMID            | 1-255      | 102           | AUTO REGI PATTERN MIDDLE V POSITION   |
| 33          | VLOW            | 1-255      | 212           | AUTO REGI PATTERN LOWER V POSITION    |
| 34          | HPR             | 1-510      | 1             | AUTO REGI PATTERN H POSITION          |
| GRN         | CENT            | -512-511   | 000 / 000     | GREEN H/V CENT                        |
|             | SKREW           | -512-511   | 000 / 000     | GREEN H/V SKEW                        |
|             | SIZE            | -512-511   | -70/-190      | GREEN H/V SIZE                        |
|             | LIN             | -512-511   | xxxx / xxxx   | GREEN H/V LIN                         |
|             | KEY             | -512-511   | xxxx / xxxx   | GREEN H/V KEY                         |
| BLU         | PIN             | -512-511   | xxxx / 271    | GREEN H/V PIN                         |
|             | CENT            | -512-511   | 000 / 000     | BLUE H/V CENT                         |
|             | SKREW           | -512-511   | 080 / -130    | BLUE H/V SKEW                         |
|             | SIZE            | -512-511   | -20 / -226    | BLUE H/V SIZE                         |
|             | LIN             | -512-511   | 187 / xxxx    | BLUE H/V LIN                          |
| RED         | KEY             | -512-511   | xxxx / -115   | BLUE H/V KEY                          |
|             | PIN             | -512-511   | xxxx / 198    | BLUE H/V PIN                          |
|             | CENT            | -512-511   | 000 / 000     | RED H/V CENT                          |
|             | SKREW           | -512-511   | 080 / -130    | RED H/V SKEW                          |
|             | SIZE            | -512-511   | -61 / -206    | RED H/V SIZE                          |
| RED         | LIN             | -512-511   | 195 / xxxx    | RED H/V LIN                           |
|             | KEY             | -512-511   | xxxx / 124    | RED H/V KEY                           |
|             | PIN             | -512-511   | xxxx / 250    | RED H/V PIN                           |

\* 1 : Set correctly by the automatic resistration adjustment.

xxxx : Cannot change.

## 3DCM

| ITEM NUMBER | ADJUSTMENT ITEM | DATA RANGE | STANDARD DATA | NOTE                               |
|-------------|-----------------|------------|---------------|------------------------------------|
| 0           | NRMD            | 0-3        | 0             | NOISE REDUCER MODE                 |
| 1           | DYCO            | 0-15       | 2             | ΔY CORING LEVEL SETTING            |
| 2           | DYGA            | 0-15       | 10            | ΔY GAIN SETTING                    |
| 3           | DCCO            | 0-15       | 5             | ΔC CORING LEVEL SETTING            |
| 4           | DCGA            | 0-15       | 5             | ΔC GAIN SETTING                    |
| 5           | SELD            | 0,1        | 1             | SELECT ΔY SIGNAL FILTER            |
| 6           | D2GA            | 0-7        | 4             | ΔY/C 2nd GAIN SETTING              |
| 7           | VTRH            | 0-3        | 1             | VTR HSYNC HYSTERESIS SETTING       |
| 8           | VTRR            | 0-3        | 1             | VTR HSYNC REFERENCE SETTING        |
| 9           | LDSR            | 0-3        | 2             | LD SIGNAL REFERENCE                |
| 10          | VAPG            | 0-7        | 5             | V APERTURE GAIN                    |
| 11          | VAPI            | 0-31       | 11            | V APERTURE INVERT POINT            |
| 12          | YPFT            | 0-3        | 0             | Y PEAKING FILTER TAP               |
| 13          | YFPG            | 0-15       | 9             | Y PEAKING FILTER GAIN              |
| 14          | VIPS            | 0-3        | 2             | VERTICAL 1-LINE SELECTOR           |
| 15          | VEGS            | 0-3        | 1             | VERTICAL EDGE SELECTOR             |
| 16          | CC3N            | 0,1        | 0             | C SIGNAL 3-LINE COM FILTER         |
| 17          | HDP             | 0-7        | 4             | HD HORIZONTAL PHASE                |
| 18          | CDL             | 0-7        | 4             | C DELAY                            |
| 19          | HSSL            | 0-15       | 12            | H SYNC SLICE LEVEL                 |
| 20          | VSSL            | 0-15       | 8             | V SYNC SLICE LEVEL                 |
| 21          | HPLF            | 0,1        | 1             | H PLL FILTER                       |
| 22          | BPLF            | 0,1        | 0             | BURST PLL FILTER                   |
| 23          | FSCF            | 0,1        | 1             | FSC FILTER GAIN                    |
| 24          | PLFG            | 0,1        | 1             | PLL FILTER GAIN                    |
| 25          | EXAD            | 0,1        | 1             | EXTERNAL AD IN                     |
| 26          | MSS             | 0,1        | 0             | FORCED MOTION SIGNAL               |
| 27          | COUT            | 0-3        | 2             | C SIGNAL OUTPUT                    |
| 28          | YAPS            | 0-3        | 1             | Y APERTURE                         |
| 29          | NSDS            | 0-3        | 0             | NON STD SIGNAL DETECT.             |
| 30          | CPP             | 0-3        | 0             | CLAMP PULSE & AD RANGE             |
| 31          | YHCO            | 0-3        | 1             | Y HIGH FREQ.SIGNAL CORING          |
| 32          | YPCO            | 0,1        | 0             | Y PEAK FILTER CORING OFF           |
| 33          | KILR            | 0-15       | 3             | KILLER REFERENCE                   |
| 34          | BGPS            | 0-15       | 4             | BGP START POSITION                 |
| 35          | BGPW            | 0-15       | 10            | BGP WIDTH                          |
| 36          | ADCL            | 0-3        | 2             | AD CLOCK DELAY                     |
| 37          | PWRF            | 0,1        | 0             | PULSE WIDTH REFERENCE              |
| 38          | YHCG            | 0,1        | 0             | Y HIGH FREQ.SIGNAL CORING 1/2 GAIN |
| 39          | CKG2            | 0,1        | 1             | CLOCK GENERATOR TEST BIT           |
| 40          | CKGE            | 0,1        | 0             | CLOCK GENERATOR TEST BIT           |

## TONE

| ITEM NUMBER | ADJUSTMENT ITEM | DATA RANGE | STANDARD DATA | NOTE                            |
|-------------|-----------------|------------|---------------|---------------------------------|
| 0           | RBAS            | 0-63       | 39            | RESET VALUE OF USER BASS DATA   |
| 1           | RTRE            | 0-63       | 35            | RESET VALUE OF USER TREBLE DATA |
| 2           | BBEH            | 0-15       | -             | BBE HIGH FREQUENCY              |
| 3           | BBEL            | 0-11       | -             | BBE LOW FREQUENCY               |
| 4           | SUFE            | 7          | -             | SURROUND EFFECT                 |

## DSP

| ITEM NUMBER | ADJUSTMENT ITEM | DATA RANGE | STANDARD DATA | NOTE                            |
|-------------|-----------------|------------|---------------|---------------------------------|
| 0           | TB0H            | 0-255      | 48            | TRUSURROUND EFFECT (L+R) COARSE |
| 1           | TB0L            | 0-255      | 0             | TRUSURROUND EFFECT (L+R) FINE   |
| 2           | TB1H            | 0-255      | 64            | TRUSURROUND EFFECT (L-R) COARSE |
| 3           | TB1L            | 0-255      | 0             | TRUSURROUND EFFECT (L-R) FINE   |
| 4           | TB2H            | 0-255      | 64            | TRUSURROUND EFFECT ( C ) COARSE |
| 5           | TB2L            | 0-255      | 0             | TRUSURROUND EFFECT (C) FINE     |
| 6           | TBFH            | 0-255      | 165           | TRUSURROUND EFFECT ( S ) COARSE |
| 7           | TBFL            | 0-255      | 126           | TRUSURROUND EFFECT ( S ) FINE   |
| 8           | TC0H            | 0-255      | 90            | TRUSURROUND EFFECT ( S ) COARSE |
| 9           | TC0L            | 0-255      | 130           | TRUSURROUND EFFECT ( S ) FINE   |
| 10          | TC1H            | 0-255      | 11            | TRUSURROUND EFFECT (L,R) COARSE |
| 11          | TC1L            | 0-255      | 100           | TRUSURROUND EFFECT (L,R) FINE   |
| 12          | SADH            | 0-255      | 64            | SRS SPACE LEVEL COARSE          |
| 13          | SADL            | 0-255      | 0             | SRS SPACE LEVEL FINE            |
| 14          | SB0H            | 0-255      | 92            | SRS CENTER LEVEL COARSE         |
| 15          | SB0L            | 0-255      | 0             | SRS CENTER LEVEL FINE           |

## MC

| ITEM NUMBER | ADJUSTMENT ITEM | DATA RANGE | STANDARD DATA | NOTE                    |
|-------------|-----------------|------------|---------------|-------------------------|
| 0           | MYDR            | 0-31       | 22            | MAIN Y DRIVE            |
| 1           | MSHU            | 0-63       | 31            | MAIN SUB HUE            |
| 2           | MSCL            | 0-63       | 31            | MAIN SUB COLOR          |
| 3           | MUPD            | 0-15       | 7             | MAIN U PEDESTAL OFFSET  |
| 4           | MVPD            | 0-15       | 7             | MAIN V PEDESTAL OFFSET  |
| 5           | MDLY            | 0-3        | 0             | MAIN Y DELAY            |
| 6           | MU2P            | 0-15       | 7             | MAIN U2 PEDESTAL OFFSET |
| 7           | MV2P            | 0-15       | 7             | MAIN V2 PEDESTAL OFFSET |
| 8           | MY2D            | 0-31       | 19            | MAIN Y2 DRIVE           |
| 9           | MU2D            | 0-31       | 11            | MAIN U2 DRIVE           |
| 10          | MV2D            | 0-31       | 11            | MAIN V2 DRIVE           |
| 11          | MPRE            | 0-3        | 3             | MAIN PRE-OVER           |

## SC

| ITEM NUMBER | ADJUSTMENT ITEM | DATA RANGE | STANDARD DATA | NOTE                   |
|-------------|-----------------|------------|---------------|------------------------|
| 0           | SYDR            | 0-31       | 28            | SUB Y DRIVE            |
| 1           | SSHU            | 0-63       | 31            | SUB SUB HUE            |
| 2           | SSCL            | 0-63       | 31            | SUB SUB COLOR          |
| 3           | SUPD            | 0-15       | 7             | SUB U PEDESTAL OFFSET  |
| 4           | SVPD            | 0-15       | 7             | SUB V PEDESTAL OFFSET  |
| 5           | SDLY            | 0-3        | 0             | SUB Y DELAY            |
| 6           | SU2P            | 0-15       | 7             | SUB U2 PEDESTAL OFFSET |
| 7           | SV2P            | 0-15       | 7             | SUB V2 PEDESTAL OFFSET |
| 8           | SY2D            | 0-3        | 20            | SUB Y2 DRIVE           |
| 9           | SU2D            | 0-15       | 11            | SUB U2 DRIVE           |
| 10          | SV2D            | 0-15       | 11            | SUB V2 DRIVE           |
| 11          | SPRE            | 0-3        | 3             | SUB PRE-OVER           |

## IC

| ITEM NUMBER | ADJUSTMENT ITEM | DATA RANGE | STANDARD DATA | NOTE                   |
|-------------|-----------------|------------|---------------|------------------------|
| 0           | PCDR            | 0-15       | 7             | PIP COLOR              |
| 1           | PHDR            | 0-15       | 7             | PIP HUE                |
| 2           | PAFC            | 0-3        | 2             | PIP AFC LOOP GAIN      |
| 3           | PTAD            | 0-15       | 7             | PIP TRAP F0 ADJUSTMENT |
| 4           | PTOT            | 0,1        | 0             | PIP CHROMA TOT FILTER  |
| 5           | PSCN            | 0-15       | 7             | PIP SUB CONTRAST       |
| 6           | PYDC            | 0-7        | 0             | PIP Y DC TRAN          |
| 7           | PSHP            | 0,1        | 1             | PIP SHARPNESS F0       |
| 8           | PMSK            | 0,1        | 0             | PIP MACRO VISION MASK  |

## PP

| ITEM NUMBER | ADJUSTMENT ITEM | DATA RANGE | STANDARD DATA | NOTE                         |
|-------------|-----------------|------------|---------------|------------------------------|
| 0           | BGHP            | 0-15       | 10            | PIP H POSITION               |
| 1           | BGHN            | 0-15       | 7             | PIP H POSITION FOR NO SIGNAL |
| 2           | BGVP            | 0-15       | 7             | PIP V POSITION               |
| 3           | 6BIT            | 0,1        | 1             | 6BIT(SMART6/SKIP6) MATRIX    |
| 4           | MAHP            | 0-15       | 7             | MAIN H ACQUISITION           |
| 5           | MAVP            | 0-255      | 23            | MAIN V ACQUISITION           |
| 6           | SAHP            | 0-15       | 7             | SUB H ACQUISITION            |
| 7           | SAVP            | 0-255      | 23            | SUB V ACQUISITION            |
| 8           | DECS            | 0-31       | 18            | SUB DECODER REGISTERS        |
| 9           | DECM            | 0-31       | 18            | MAIN DECODER REGISTERS       |
| 10          | DIS             | 0-127      | 66            | DISPLAY SETTING              |
| 11          | BSIZ            | 0-15       | 2             | BORDER SIZE                  |
| 12          | VPED            | 0-15       | 13            | V PEDESTAL OFFSET            |
| 13          | UPED            | 0-15       | 13            | U PEDESTAL OFFSET            |

### DAC

| ITEM<br>NUMBER | ADJUSTMENT<br>ITEM | DATA<br>RANGE | STANDARD<br>DATA | NOTE          |
|----------------|--------------------|---------------|------------------|---------------|
| 0              | UVSH               | 0-63          | 31               | YUV SUB HUE   |
| 1              | UVSC               | 0-63          | 31               | YUV SUB COLOR |

### PI

| ITEM<br>NUMBER | ADJUSTMENT<br>ITEM | DATA<br>RANGE | STANDARD<br>DATA | NOTE                          |
|----------------|--------------------|---------------|------------------|-------------------------------|
| 0              | PIPH               |               | -                | PIP H POSITION                |
| 1              | PIPV               |               | -                | PIP V POSITION                |
| 2              | PYSD               |               | -                | PIP SELECT DELAY              |
| 3              | PYDL               |               | -                | PIP Y DELAY                   |
| 4              | PHDL               |               | -                | H-PULSE DELAY                 |
| 5              | PMVD               |               | -                | MAIN V-PULSE DELAY            |
| 6              | PIVD               |               | -                | INSET V-PULSE DELAY           |
| 7              | PCON               |               | -                | INSET CONTRAST                |
| 8              | FRMY               |               | -                | FRAME Y                       |
| 9              | IPER               |               | -                | PIP PEDESTAL R-Y              |
| 10             | IPEB               |               | -                | PIP PEDESTAL B-Y              |
| 11             | PCPS               |               | -                | PIP CLP                       |
| 12             | PCPF               |               | -                | PIP CLP CYCLES                |
| 13             | PPLL               |               | -                | PIP PLL TIME CONSTANT         |
| 14             | PVNR               |               | -                | PIP VSP PULSE NOISE REDUCTION |

### ID

| ITEM<br>NUMBER | ADJUSTMENT<br>ITEM | DATA<br>RANGE | STANDARD<br>DATA | NOTE      |
|----------------|--------------------|---------------|------------------|-----------|
| 0              | AREA               | 0-3           | 0                | AREA ID   |
| 1              | SERS               | 0-3           | 0                | SERIES ID |
| 2              | VCHP               | 0-3           | 0                | V CHIP ID |

### CCD

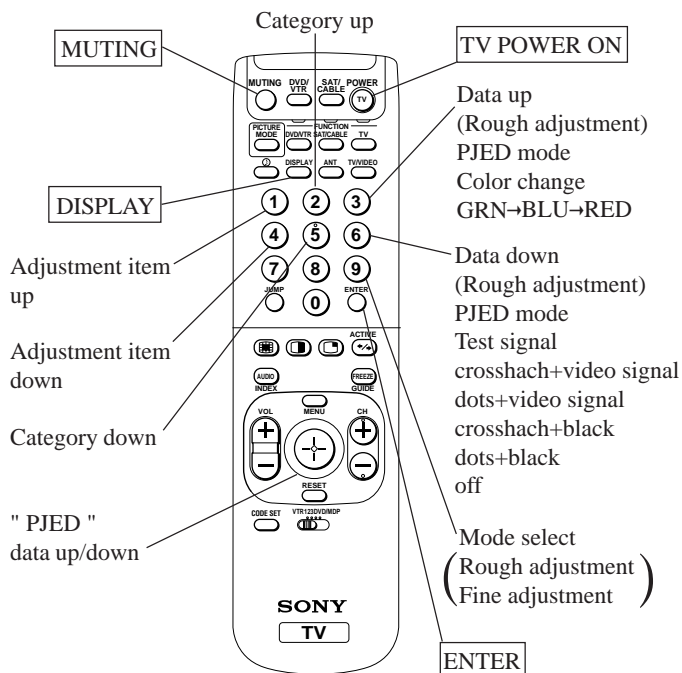
| ITEM<br>NUMBER | ADJUSTMENT<br>ITEM | DATA<br>RANGE | STANDARD<br>DATA | NOTE                          |
|----------------|--------------------|---------------|------------------|-------------------------------|
| 0              | CCHP               | 0-63          | 39               | OSD H POSI FOR INDEX & CC/XDS |
| 1              | CCHN               | 0-63          | 29               | NO FUNCTION                   |

### OP

| ITEM<br>NUMBER | ADJUSTMENT<br>ITEM | DATA<br>RANGE | STANDARD<br>DATA | NOTE           |
|----------------|--------------------|---------------|------------------|----------------|
| 0              | DISP               | 0-63          | 9                | OSD H POSITION |
| 1              | FW1                | 0-7           | 2                | FIELD1 WINDOW  |
| 2              | FW2                | 0-7           | 3                | FIELD2 WINDOW  |

### 3-10. REGISTRATION ADJUSTMENT

#### • ADJUST BUTTONS AND INDICATOR

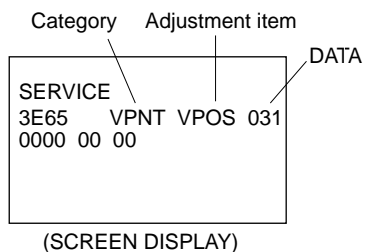


#### [SETUP FOR ADJUSTMENT]

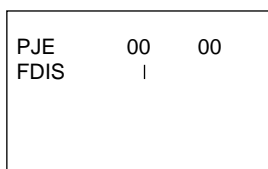
- Current flow in circuit should be stable before attempting adjustment. So wait 5 minutes after turning on the TV power.

- Set to the service mode by pressing quickly keys on the remote commander in the standby mode in the following order:

[DISPLAY] → [5] → [VOL+] → [TV POWER]



- Change TV mode to the video input mode.
- Change the VPNT mode to the PJE 00 FDIS.
- Set FDIS data to "01" to display the registration data of each spot in the fine adjustment.



- Press [6] to display the test signal (crosshatch) on the screen.
- Select GRN CENT(\*) with the [1] and [4] keys on the remote commander and check that the adjustment data is now "000" both vertically and horizontally.

|      | (H) | (V) |
|------|-----|-----|
| GRN  | 000 | 000 |
| CENT |     |     |

\*: In the factory preset, "GRN CENT" appears on the screen first.  
In case of other colors "RED" or "BLU", change color by every pressing [3] key.

- Set VPNT 28 RON to "000", 29 GON to "001" and 30 BON to "000" to show only the green color.
- Change the VPNT mode to the PJE mode.

#### SUB DEFLECTION ADJUSTMENT ITEM

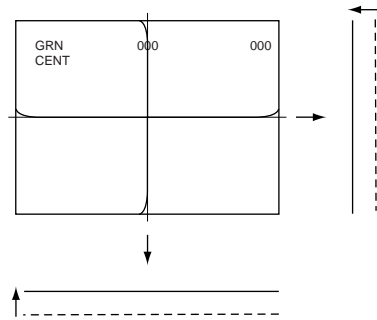
Adjustment O : Yes - : No

| Display | Adjustment item | Adjustment type |     |     |
|---------|-----------------|-----------------|-----|-----|
|         |                 | G               | R   | B   |
|         |                 | H/V             | H/V | H/V |
| CENT    | CENT            | O/O             | O/O | O/O |
| SKEW    | SKEW            | O/O             | O/O | O/O |
| SIZE    | SIZE            | -/-             | O/O | O/O |
| LIN     | LIN             | -/-             | O/- | O/- |
| KEY     | KEY             | -/-             | -/O | -/O |
| PIN     | PIN             | -/O             | -/O | -/O |

## [GREEN REGISTRATION ADJUSTMENT]

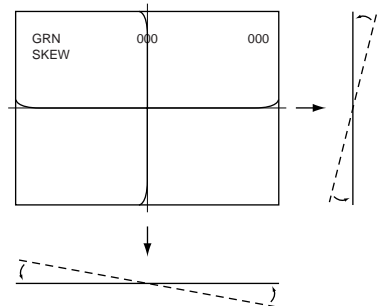
### <GREEN CENTER>

1. Select GRN CENT with the **[1]** and **[4]** keys on the remote commander.
2. Adjust the crosshatch line goes straight vertically and horizontally with the joystick on the remote commander.



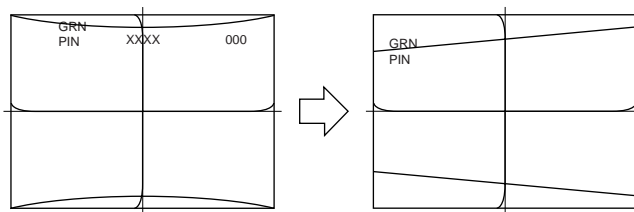
### <GREEN SKEW>

1. Select GRN SKEW with the **[1]** and **[4]** keys on the remote commander.
2. Adjust the crosshatch line goes straight vertically and horizontally with the joystick on the remote commander.



### <GREEN PINCUSHION>

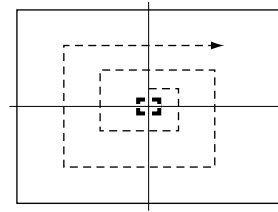
1. Select GRN PIN with the **[1]** and **[4]** keys on the remote commander.
2. Adjust the crosshatch line goes straight vertically and horizontally with the joystick on the remote commander.



### <FINE ADJUSTMENT>

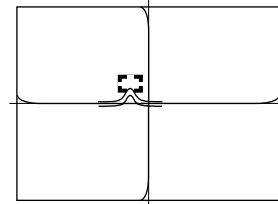
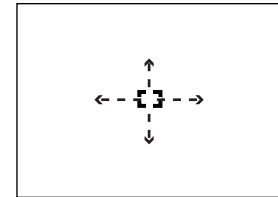
1. Press **[9]** key on the remote commander to shift to the fine adjustment mode.  
The green marker (in the GRN mode) appears on the center of the screen.
2. Use the **[1]** and **[4]** keys or the joystick on the remote commander, move the marker (see below) everywhere you want to adjust and adjust with the joystick keys on the remote commander.

Marker movement by the **[1]** and **[4]** keys:



Press once the joystick the marker turns green to white.

Then you can move the marker up and down ,left and right.



3. Press **[9]** key on the remote commander to shift to the rough

adjustment mode.

## [RED REGISTRATION ADJUSTMENT]

### <RED CENTER>

1. Change to VPNT mode and set VPNT 28 RON to “001”, 29 GON to “001” and 30 BON to “000” to show the green and red colors.
2. Change the VPNT mode to the PJE mode.
3. Press **[3]** key on the remote commander to shift the GRN mode to the RED mode.
4. Select RED CENT with the **[1]** and **[4]** keys on the remote commander.
5. Adjust the red crosshatch lines go straight vertically and horizontally and overlaps the green lines with the joystick on the remote commander.

### <RED SKEW>

1. Select RED SKEW with the **[1]** and **[4]** keys on the remote commander.
2. Adjust the red crosshatch lines go straight vertically and horizontally and overlaps the green lines with the joystick on the remote commander.

### <RED LINEARITY>

1. Select RED SIZE (vertically and horizontally) or RED LIN (vertically) with the **[1]** and **[4]** keys on the remote commander and adjust while tracking each other alternately.
2. Adjust the red crosshatch lines go straight vertically and horizontally and overlaps the green lines with the joystick on the remote commander.

### <RED KEY>

1. Select RED KEY with the **[1]** and **[4]** keys on the remote commander.
2. Adjust the red crosshatch lines go straight horizontally and overlaps the green lines with the joystick on the remote commander.

### <RED PINCUSHION>

1. Select RED PIN with the **[1]** and **[4]** keys on the remote commander.
2. Adjust the red crosshatch lines go straight horizontally and overlaps the green lines with the joystick on the remote commander.

### <FINE ADJUSTMENT>

1. Press **[9]** key on the remote commander to shift to the fine adjustment mode.

The red marker (in the RED mode) appears on the center of the screen.

2. Use the **[1]** and **[4]** keys or the joystick on the remote commander, move the marker everywhere you want to adjust and adjust with the joystick on the remote commander.

## [BLUE REGISTRATION ADJUSTMENT]

1. Change to VPNT mode and set VPNT 28 RON to “001”, 29 GON to “001” and 30 BON to “001” to show full color.
2. Change the VPNT mode to the PJE mode.
3. Press **[3]** key on the remote commander to shift the RED mode to the BLU mode.
4. Adjust BLU CENT, BLU SKEW, BLU SIZE, BLU LIN, BLU KEY and BLU PIN in the same procedure of the red registration adjustment.

## [FINAL CHECK]

1. Store the new adjustment (offset) value on the remote control by pressing **[MUTING]** and **[ENTER]**.
2. Press the FLASH FOCUS button on the front panel. (The Offset value is now automatically stored.)
3. Check that no error message appears.  
If an error message appears, recheck.



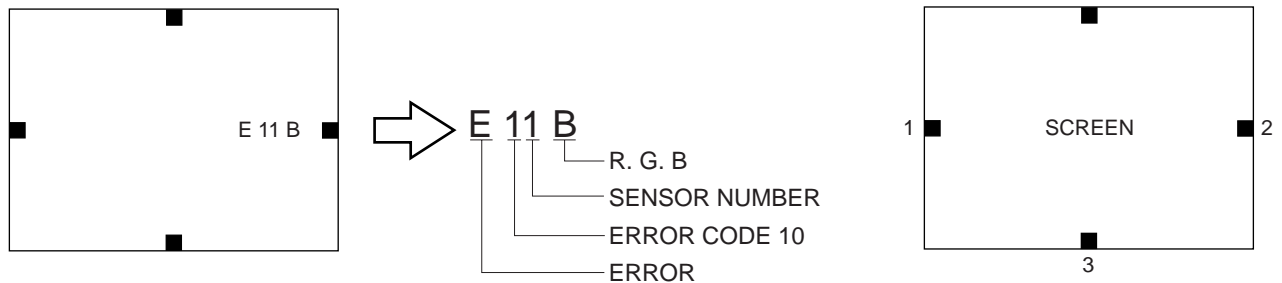
### 3-11. AUTO REGISTRATION ERROR CODE LIST

#### [ERROR CODE LIST]

| ERROR CODE | DISCRIPTION                      | NOTE  |
|------------|----------------------------------|---|
| 00         | No Error                         |   |
| 10         | Sensor Output Level Low          | * Check wiring, beam position, sensor.<br>0 : Upper Center<br>1 : Middle Left<br>2 : Middle Right<br>3 : Lower Center |
| 20         | Sensor Output Level High         | * Check OP-amp circuit.<br>0 : Upper Center<br>1 : Middle Left<br>2 : Middle Right<br>3 : Lower Center                |
| 30         | Adjustment Loop Counter Overflow | * Check the data go far from the standard or not.   |
| 40         | Regi Data Overflow               | * Check the data go far from the standard or not.   |
| 50         | Regi Data Overflow               | * Check the data go far from the standard or not.   |
| 60         | Offset Overflow                  | * Check the data go far from the standard or not.   |
| 70         | Offset Overdraw                  | * Check the data go far from the standard or not.   |

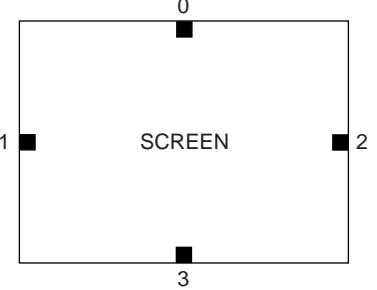
\* In case of multiple error, last error is displayed.

#### • ERROR CODE SCREEN DISPLAY



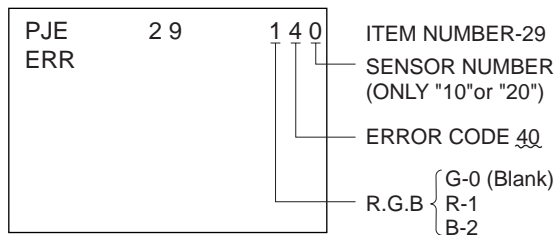
\* Error code will be displayed on center of screen for 3 seconds.

#### [SENSOR POSITION]



0 : UPPER SENSOR  
1 : LEFT SENSOR  
2 : RIGHT SENSOR  
3 : LOWER SENSOR

#### • ERROR CODE DISPLAY IN REGI SERVICE MODE




## This image shows a full page of a handwriting practice worksheet. It consists of multiple sets of three horizontal dashed lines, evenly spaced across the entire page. These lines are designed to help children learn letter formation and alignment by providing a guide for the height and placement of their writing. The background is plain white, and there are no other markings or text present.



## SECTION 4

### SAFETY RELATED ADJUSTMENTS

#### [ G BOARD]

#### 4-1. HV REGULATION CIRCUIT CHECK AND ADJUSTMENT

When replacing the following components marked with  on the schematic diagram always check HV regulation, and if necessary re-adjust.

-  : C517
-  : C517, C521, C522  
IC654, L504  
T502, T504 (FBT)  
D.Y, A board, G board

#### OPERATION CHECK

1. Connect a HV static voltmeter to the unconnected plug of the high-voltage block. (Fig.4-1)
2. Power on the set.
3. Receive the dot signal. (PICTURE and BRIGHTNESS to minimum)
4. Check that the HV static voltmeter is reading  $31.00 \pm 1.0$  kVdc.

#### HV Regulation adjustment

1. Connect a HV static voltmeter to the unconnected plug of the high-voltage block.
2. Power on the set.
3. Receive the dot signal. (PICTURE and BRIGHTNESS to minimum)
4. If anode voltage is 31.95kV or higher, replace C517 of 470PF/2kV with that of 680PF/2kV, and check if the voltage is within the standard range.
5. If anode voltage is 29.45kV or lower, replace C517 of 470PF/2kV with that of 100PF/2kV, and check if the voltage is within the standard range.

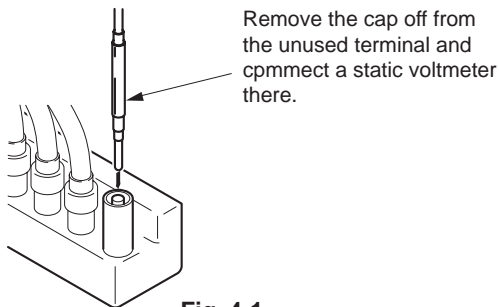





Fig. 4-1

#### 4-2. HV HOLD DOWN CIRCUIT OPERATION CHECK AND ADJUSTMENT

When replacing the following components marked with  on the schematic diagram always check hold-down voltage and if necessary re-adjust.

-  : R536, R545
-  : C516, C536  
D506, D507, D522  
IC206, IC502, IC654  
L504, R511, R522, R536, R538, R545,  
R548, R584  
T502, T504 (FBT)  
D.Y, A board, G board

#### OPERATION CHECK

1. Remove CN652 connector.
2. Short-circuit across TP-PROT and ground.
3. Connect a HV static voltmeter to the unconnected plug of the high-voltage block.
4. Connect a 220 /200W variable resistor, across pin ② and pin ① of CN652 and connect an external dc power supply unit (200V, class 2A) to pin ③ of CN652.
5. First turn on the external power supply (+B=135V), then turn on the power of the set.
6. Receive the dot signal. (PICTURE and BRIGHTNESS to minimum)
7. Gradually increase the value of the external dc power supply and check that the hold-down circuit operates at a static voltmeter reading of  $33.5 \pm 1.0$  kVdc when the raster disappears.

#### HV HOLD-DOWN ADJUSTMENT

1. Repeat steps ① ~ ⑦ as above.
2. If hold down voltage is 34.5kV or higher, remove R536, mount a resistor (150k , 1/4W : RN) onto R545 instead, and check again if the hold-down voltage is within the standard range.
3. If hold down voltage is 32.5kV or lower, mount a resistor (220k , 1/4W : RN) onto R536 and check again if the hold-down voltage is within the standard range.

**NOTE** : Please finish the adjustment as soon as possible

#### 4-3. +B MAX VOLTAGE CONFIRMATION

The following adjustments should always be performed when replacing IC654.

1. Supply 130VAC to with variable autotransformer.
2. Input a dot signal.
3. Set the PICTURE control and the BRIGHTNESS controls to minimum.
4. Confirm the voltage of G BOARD TP135V is less than 137.0Vdc.
5. If step 4 is not satisfied, replace IC654 and repeat above steps.

**4-4. +B OVP CONFIRMATION**

1. Connect an external dc power supply to TP OVP.
2. Supply 120VAC to variable autotransformer.
3. Set PICTURE and the BRIGHTNESS controls to minimum.
4. Gradually turn the external dc power supply, and check if OVP works properly when the voltage of the external dc power supply is between 139.0 ~ 151.5V.

## SECTION 5

### CIRCUIT ADJUSTMENTS

#### 5-1. TV INPUT SUB CONTRAST ADJUSTMENT (VPNT-SCON)

1. Receive the color-bar signal.
2. Mode : Personal 1 or 2.  
PICTURE : maximum  
COLOR : maximum  
BRIGHTNESS : center  
TRINITONE : medium  
SERVICE DATA VPNT SCON : 7
3. Set to service mode.
4. Connect an oscilloscope between pin ⑦ of CN204 (A board) and ground.
5. Select “VPNT-SCON”, and adjust so that the wave from level is  $1.90 \pm 0.05V_{p-p}$ .
6. Write the data into memory.

MUTING → ENTER

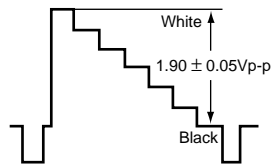


Fig. 5-1

#### 5-2. VIDEO INPUT SUB-HUE AND SUB-COLOR ADJUSTMENT (VPNT-SHUE, SCOL)

1. Select VIDEO1 input and supply the color-bar signal.
2. Mode : Personal 1 or 2.  
PICTURE : maximum  
COLOR : center  
BRIGHTNESS : center  
TRINITONE : medium  
SERVICE DATA VPNT-SHUE : 7  
VPNT-SCOL : 7
3. Set to service mode.
4. Connect an oscilloscope between pin ⑤ of CN204 (A board) connector and ground.
5. Select “VPNT-SHUE, SCOL”, and adjust them to have VB1 = VB4 and VB2 = VB3 in the waveform levels.
6. Increase SCOL by 2 steps.
7. Write the data into memory.

MUTING → ENTER

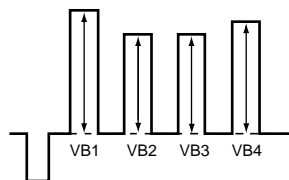


Fig. 5-2

#### 5-3. COMPONENT INPUT SUB-HUE AND SUB-COLOR ADJUSTMENT (DAC-UVSH, UVSC)

1. Select VIDEO 4 and supply the color-bar signal.  
VIDEO input
2. Mode : Personal 1 or 2.  
PICTURE : maximum  
COLOR : center  
BRIGHTNESS : center  
TRINITONE : medium  
SERVICE DATA DAC UVSH : 31  
DAC UVSC : 31
3. Set to service mode.
4. Connect an oscilloscope between pin ⑤ of CN204 (A board) connector and ground.
5. Select “DAC-UVSH, UVSC”, and adjust them to have VB1 = VB4 and VB2 = VB3 in the waveform levels.
6. Write the data into memory.

MUTING → ENTER

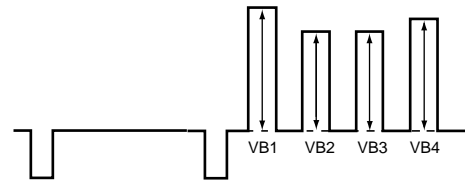


Fig. 5-3

#### 5-4. P & P SUB CONTRAST ADJUSTMENT (SC-SYDR)

1. Receive the signal.  
TV terminal (sub) : color-bar signal  
VIDEO terminal (main) : no signal
2. Set to service mode and set to P & P mode.
3. Connect an oscilloscope between pin ⑦ of CN204 (A board) and ground.
4. Select “SC-SYDR”, and adjust so that the wave from level is  $1.75 \pm 0.05V_{p-p}$ .
5. Write the data into memory.

MUTING → ENTER

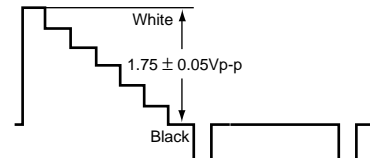


Fig. 5-4

### 5-5. SUB-HUE , SUB-COLOR AND MAIN CONTRAST ADJUSTMENT (MC-MYDR, MSHU, MSCL, SC-SSHU, SSCL)

1. Receive the color-bar signal.
2. Mode : Personal 1 or 2.  
PICTURE : maximum  
COLOR : center  
BRIGHTNESS : center  
TRINITONE : medium  
SERVICE DATA MC-MYDR : 22  
MC-MSHU : 31  
MC-MSCL : 31  
SC-SSHU : 31  
SC-SSCL : 31
3. Set to service mode and set to P & P model .
4. Connect an oscilloscope between pin ⑤ of CN204 (A board) connector and ground.
5. Select “ MC-MYDR”, and adjust them to have VB1 = VB5 in the waveform levels.
6. Select “ MC-MSCL, SC-SSCL” and adjust so that the wave form shows VB1=VB4 and VB5=VB8.
7. Select “ MC-MSHU, SC-SSHU” and adjust so that the wave form shows VB2=VB3 and VB6=VB7.
8. Write the data into memory.

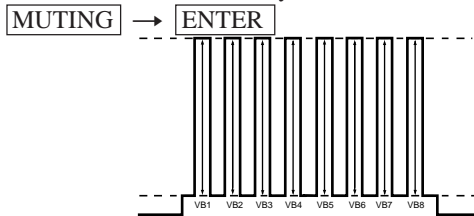


Fig. 5-5

### 5-6. BAR DISPLAY POSITION ADJUSTMENT (OP-DISP)

1. Receive the monoscope signal.
2. Set to service mode.
3. Push “ PICTURE +” . (Bar is displayed)
4. Select “ OP-DISP ”, and adjust so that the bar is as shown in the figure.
5. Write the data into memory.

MUTING → ENTER

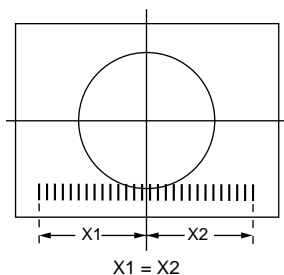


Fig. 5-6

### 5-7. PIP ACQUISITION AREA ADJUSTMENT (PP-MAHP, SAHP)

1. Set the SPLIT mode.
2. Receive the monoscope signal on the main/sub picture.
3. Check the monoscope position of each picture.

A=B

4. If necessary, set to service mode and adjust "PP-MAHP, SAHP".
5. Write the data into memory.

MUTING → ENTER

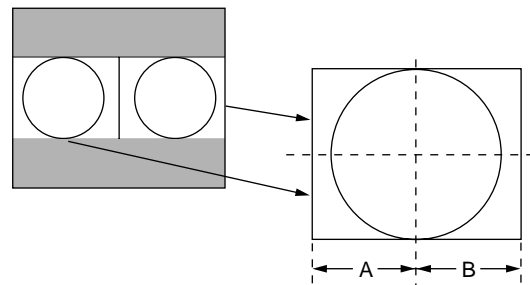


Fig. 5-7

### 5-8. DISPLAY POSITION FOR CHANNEL INDEX MODE (CCD-CCHP)

1. Recive the broadcast signal for main picture.
2. Set to service mode.
3. Select index mode.
4. Adjust “ CCD-CCHP” to get all channel number displays into picture area without being on border.
5. Write the data into memory.

MUTING → ENTER

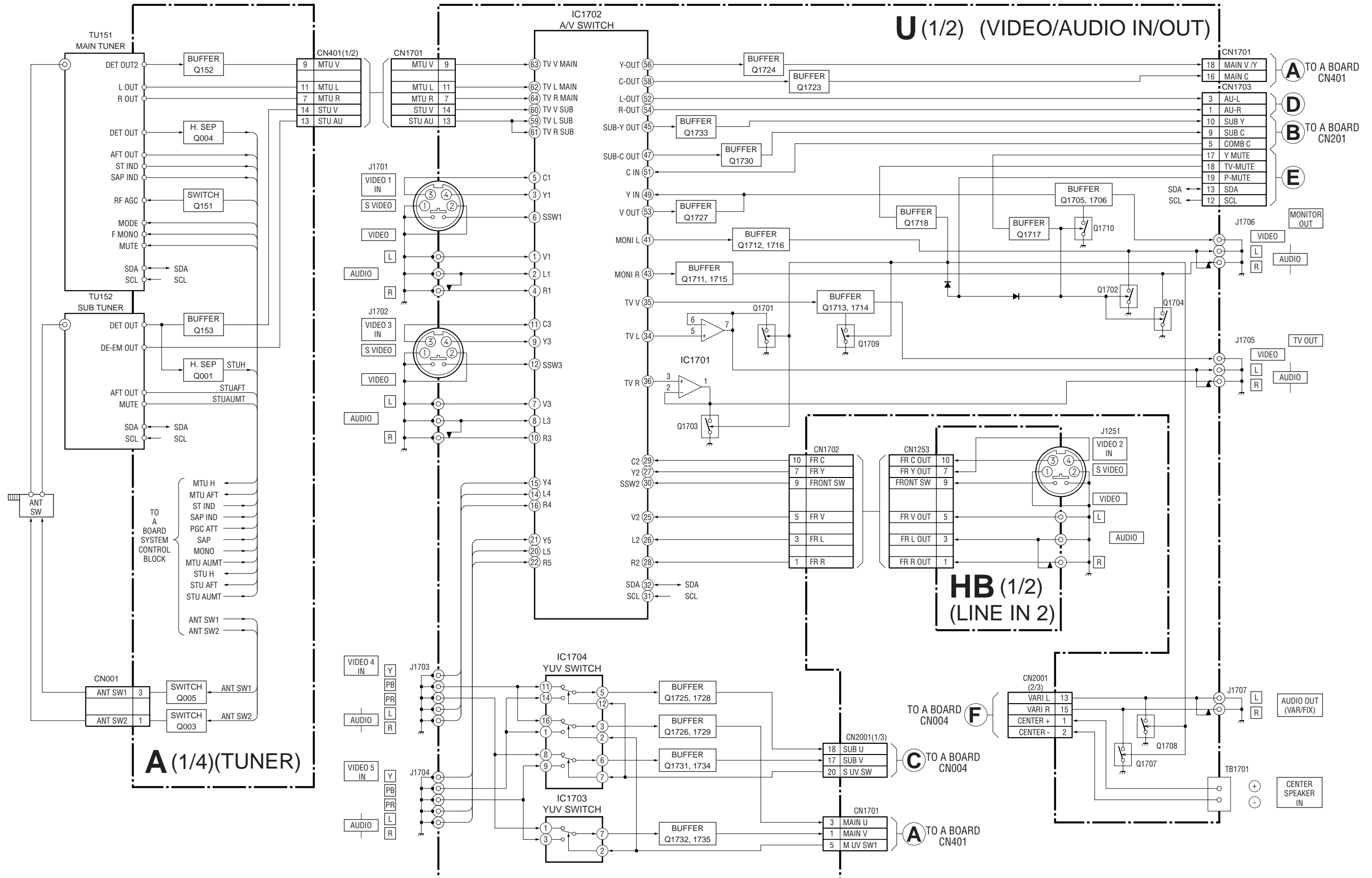
|      |     |     |     |
|------|-----|-----|-----|
| 2X   | 5X  | 7X  | 9X  |
| 125X | 5   |     | 11X |
| 36X  |     |     | 13X |
| 23X  | 19X | 17X | 14X |

KEEP ONE CHARACTER SPACE BETWEEN CH# AND BORDER.

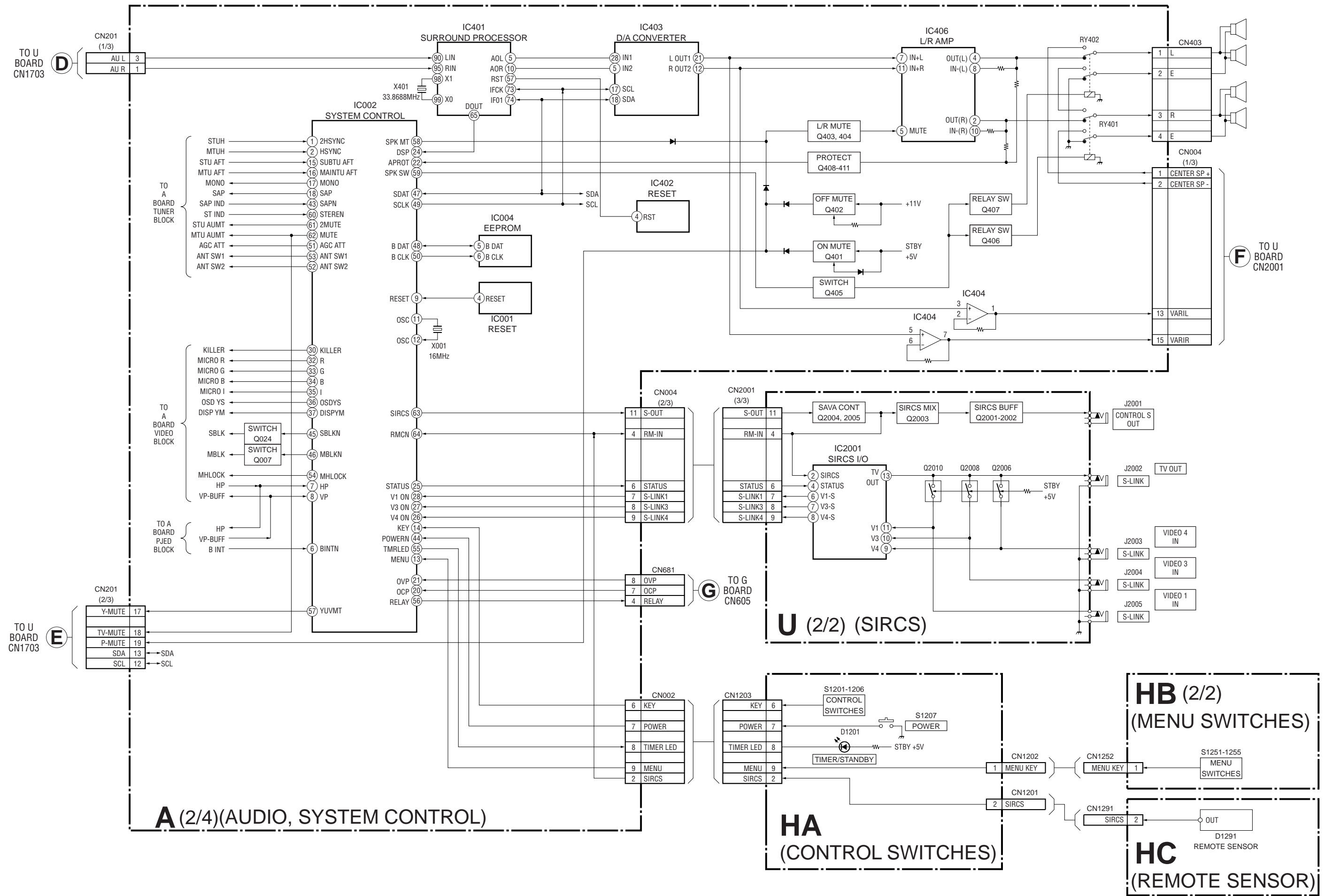
Fig. 5-8



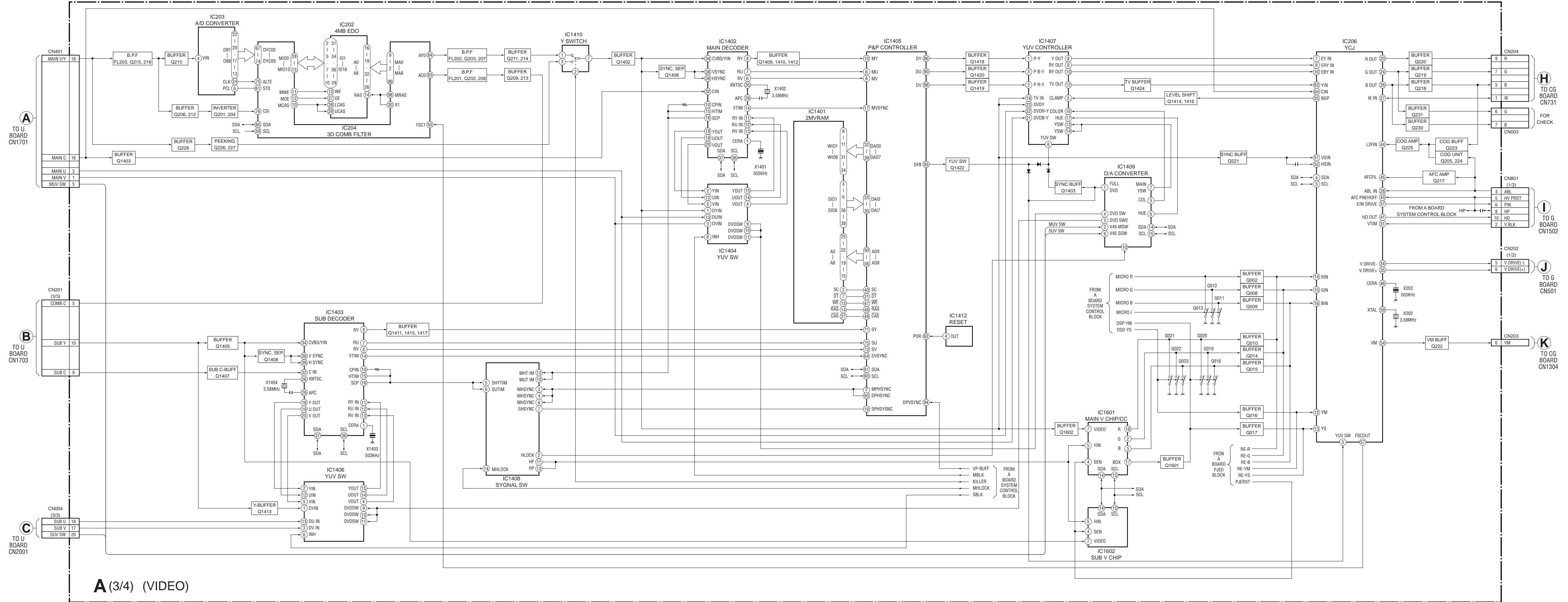
### 6-1. BLOCK DIAGRAM (1)



BLOCK DIAGRAM (2)

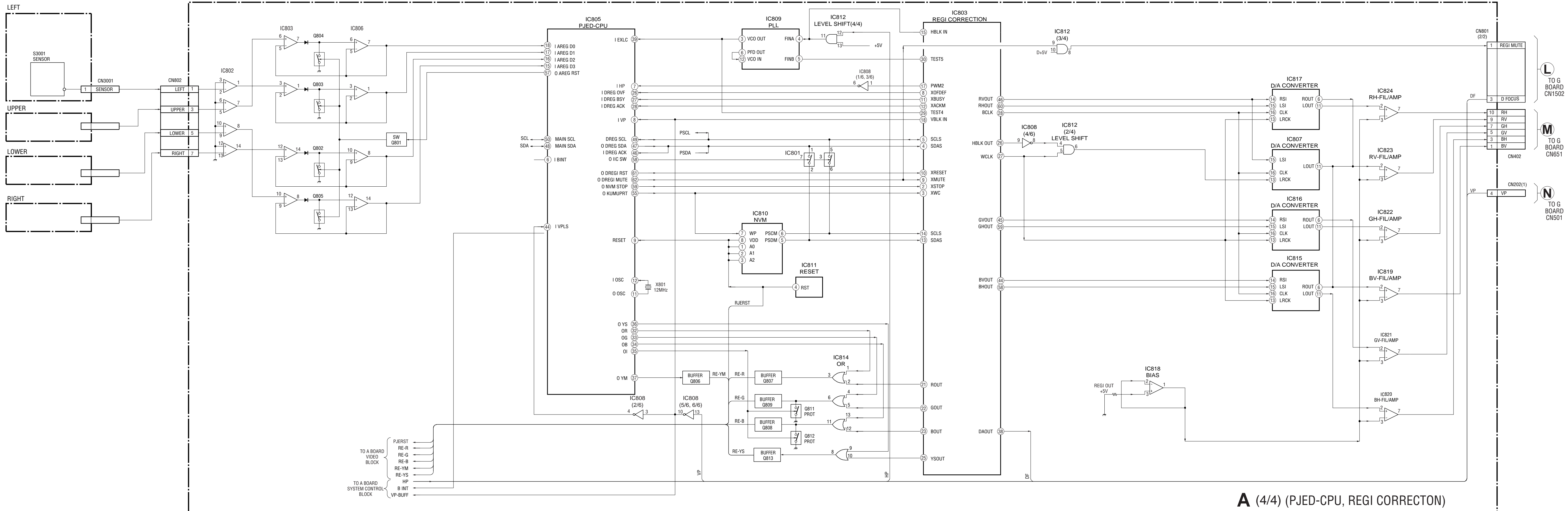


BLOCK DIAGRAM (3)

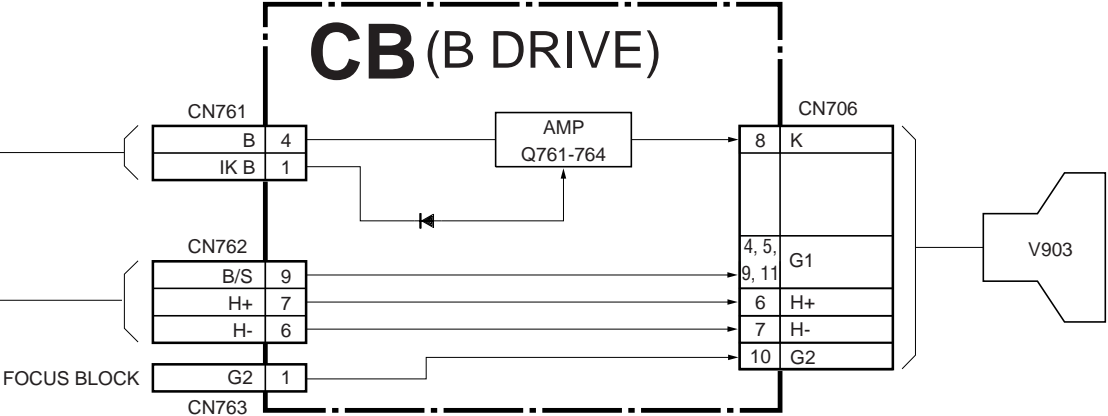
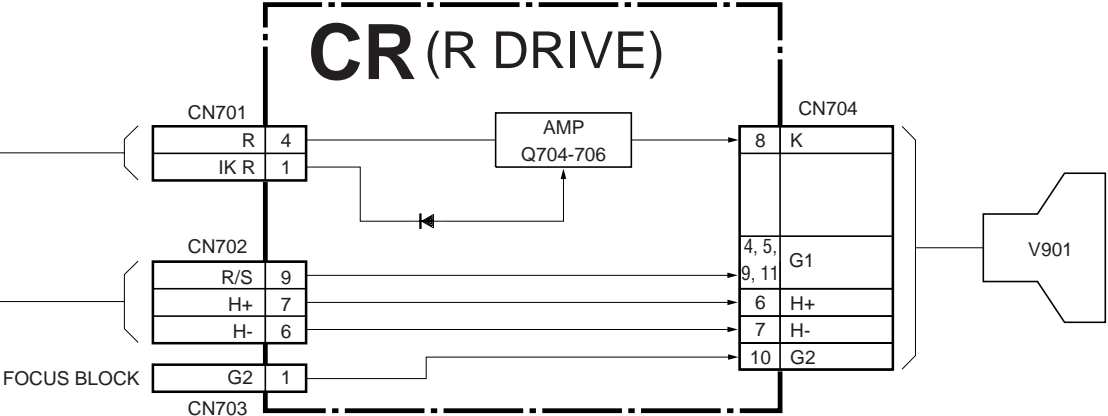
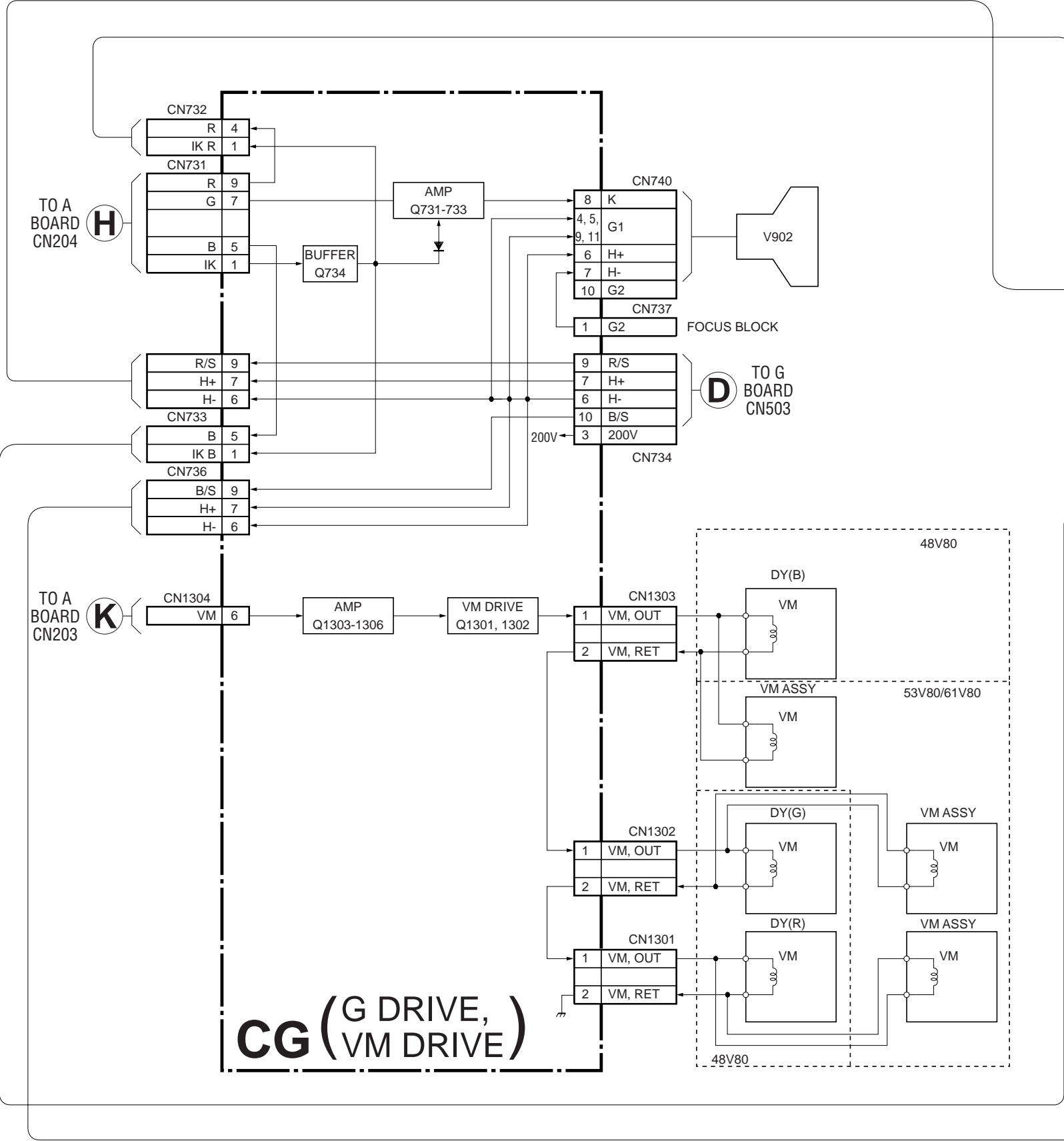


A(3/4) (VIDEO)

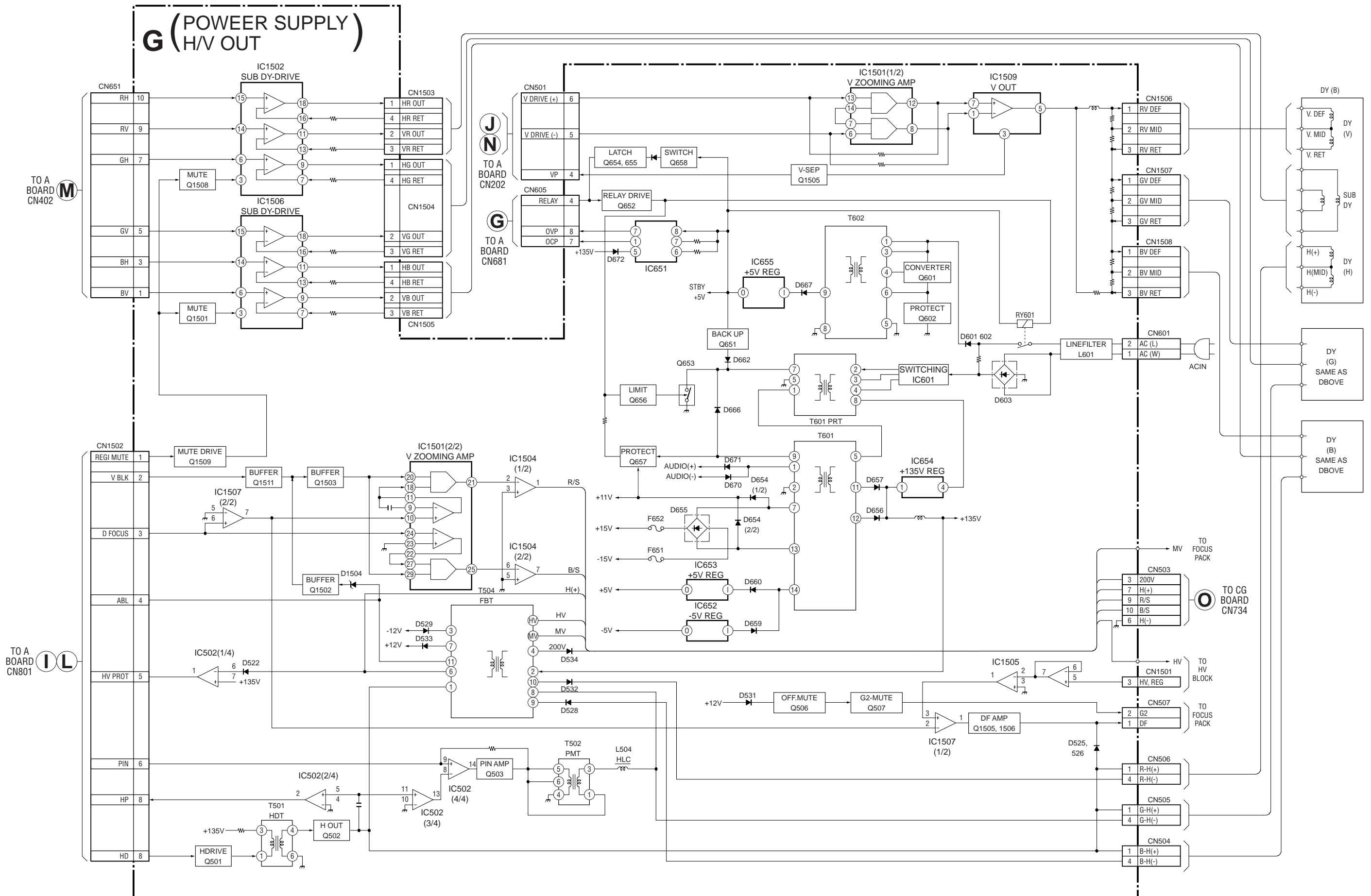
**BLOCK DIAGRAM (4)**



BLOCK DIAGRAM (5)



### BLOCK DIAGRAM (6)

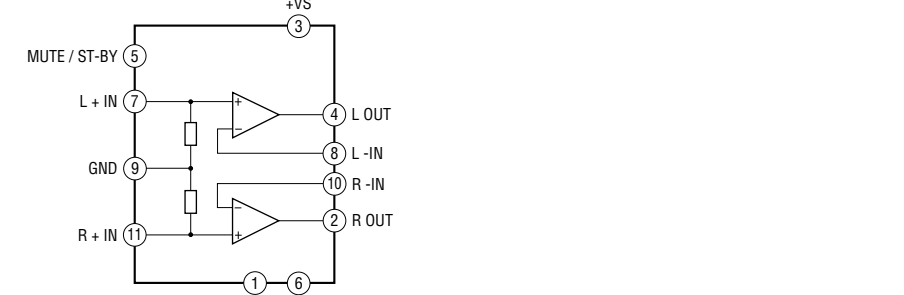




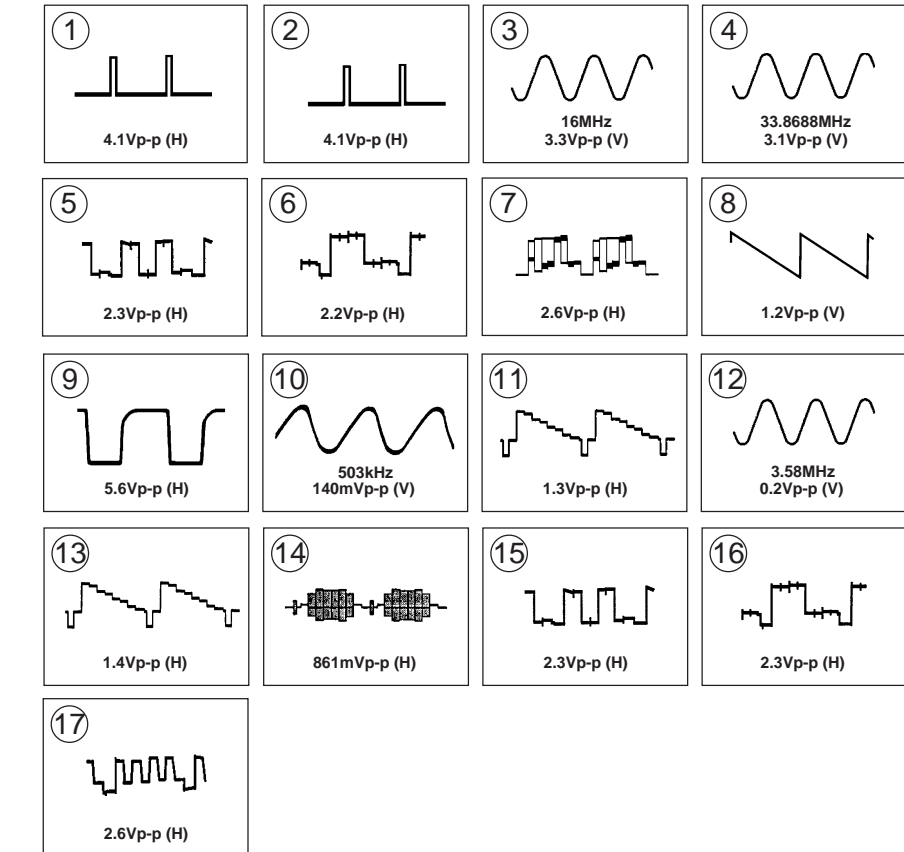




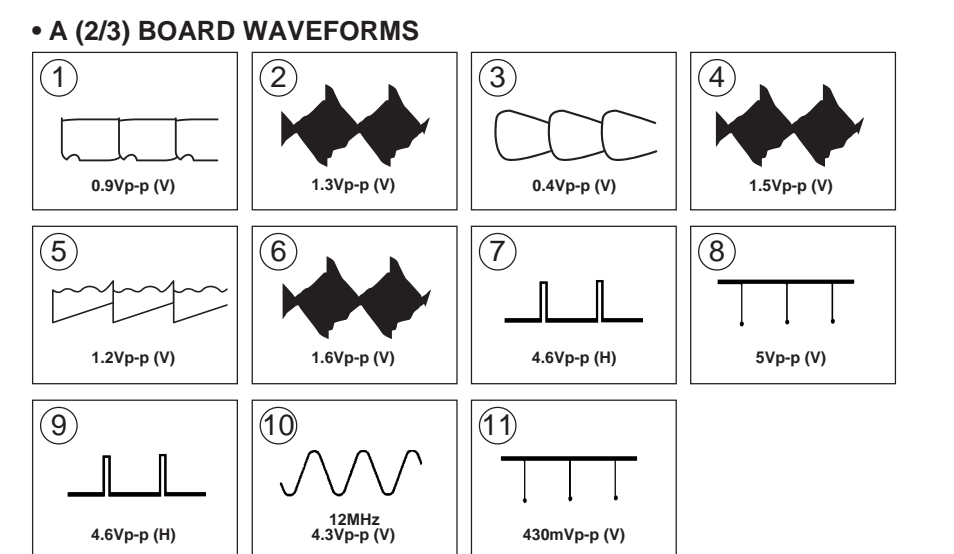
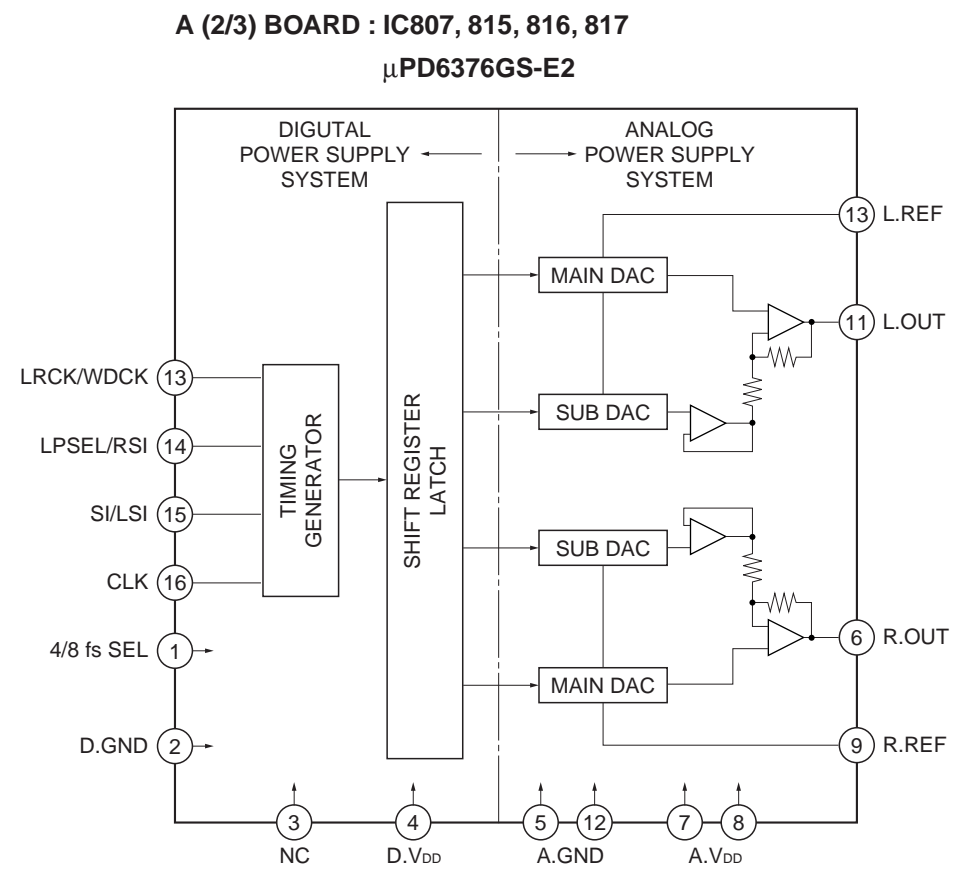
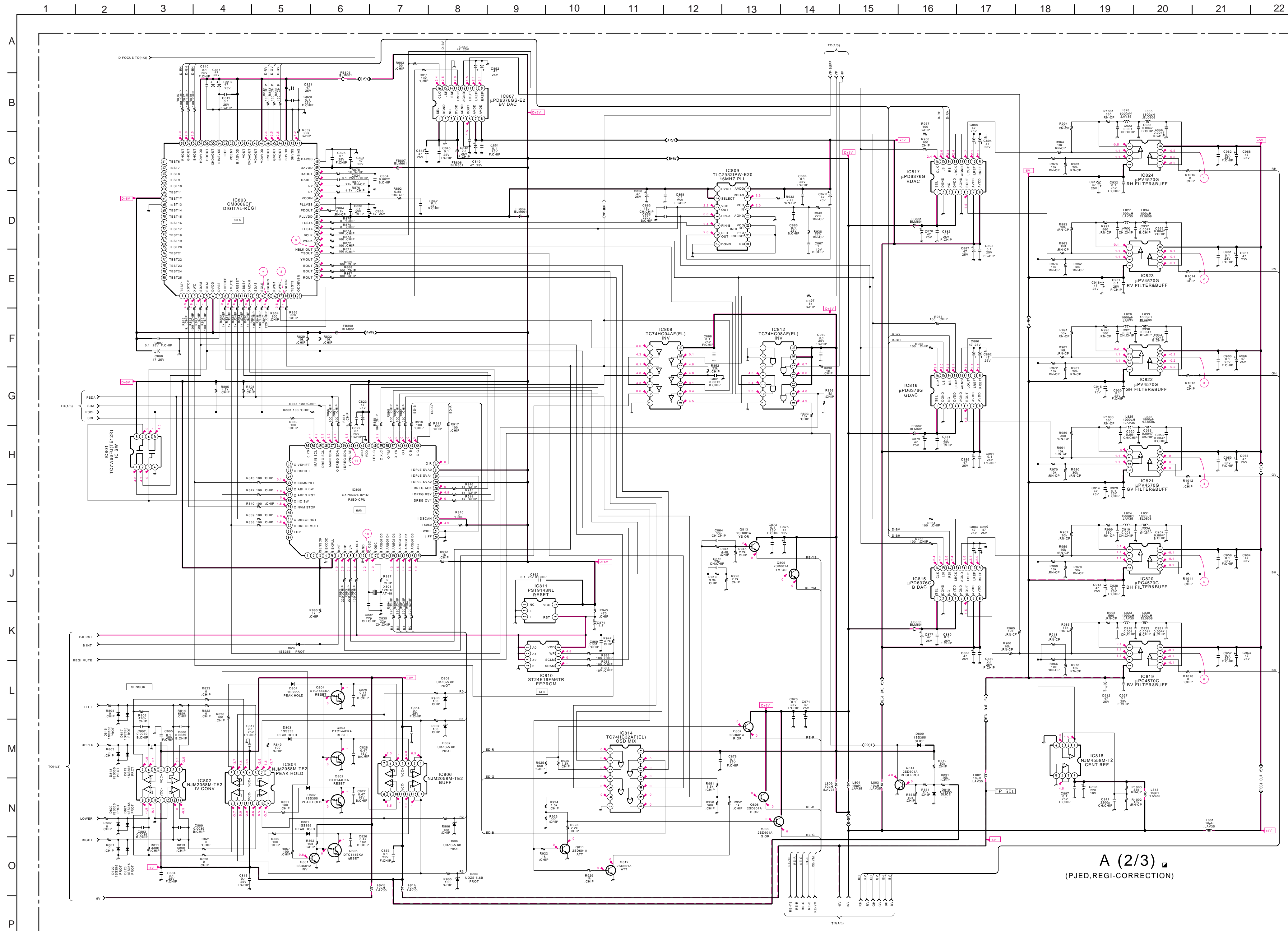
# A (1/3) BOARD : IC406 TDA7265



## • A (1/3) BOARD WAVEFORMS







**A (2/3)**  
(PJED,REGI-CORRECTION)



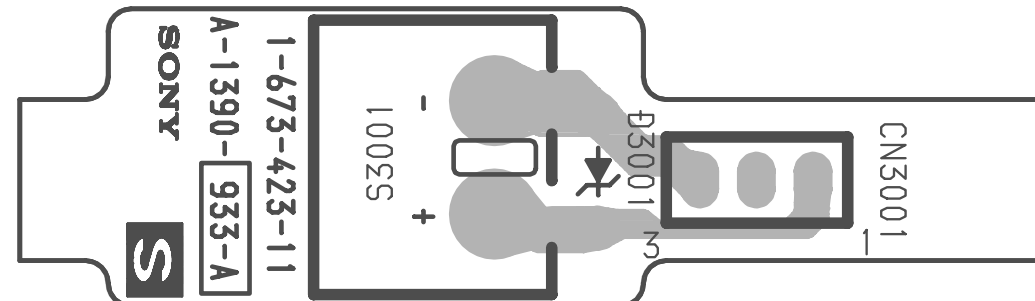




[illegible][illegible]

The figure contains two logic diagrams for the 74VHC04. The top diagram is a detailed internal schematic showing the input buffers, inverters, and the NAND gate structure. The bottom diagram is a pin configuration diagram showing the 16 pins of the device and their functions: STROBE, SELECT, DATA INPUTS, and OUTPUT.

The block diagram illustrates the PC decoder circuit. It features a central "PC DECODER" block. On the left, it has two inputs: SDA (pin 14) and SCL (pin 15). Above the decoder are three level conversion blocks: one for SAD0 (pin 11), SAD1 (pin 12), and SAD2 (pin 13); another for SW0 (pin 2), SW1 (pin 9), and SW3 (pin 10); and a third for SW2 (pin 8). These level conversion blocks feed into a LATCH block, which then feeds into the PC DECODER. The PC DECODER has five outputs, each connected to a LATCH block. Each LATCH block is followed by a DAC block, which is then connected to an AMP block. The output of each AMP block is labeled DAC0 through DAC4 at pins 7, 8, 9, 10, and 11 respectively. A Power On Reset block is also connected to the PC DECODER. The circuit is powered by VCC (pin 1) and GND (pin 9).

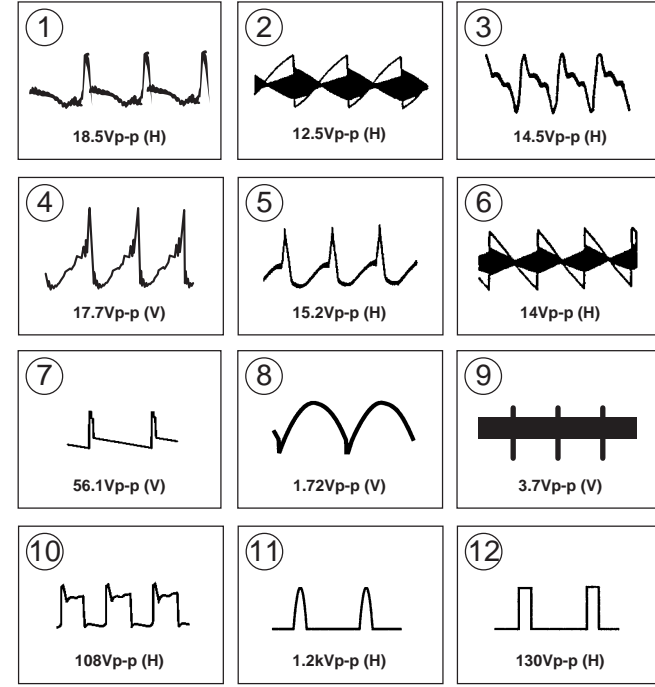


**A (2/3)** [PJED, REGI-CORRECTION]

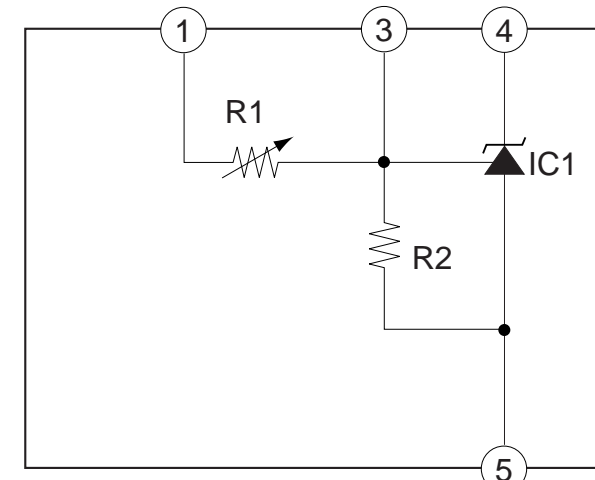
| DIODE |      |   | D303 | D-4 | Ⓢ | D420 | K-8 | Ⓢ | D824       | H-8  | Ⓢ   | Q013 | C-9  | Ⓢ   | Q206  | D-8  | Ⓢ   | Q226 | F-2  | Ⓢ   | Q410  | K-4   | Ⓢ   | Q1408 | H-7   | Ⓢ   | IC    | IC803 | J-4   | IC824  | L-5    |        |        |     |        |       |     |        |     |
|-------|------|---|------|-----|---|------|-----|---|------------|------|-----|------|------|-----|-------|------|-----|------|------|-----|-------|-------|-----|-------|-------|-----|-------|-------|-------|--------|--------|--------|--------|-----|--------|-------|-----|--------|-----|
|       |      |   | D304 | D-4 | Ⓢ | D421 | K-8 | Ⓢ | D1407      | H-8  | Ⓢ   | Q014 | E-2  | Ⓢ   | Q207  | D-8  | Ⓢ   | Q227 | G-2  | Ⓢ   | Q411  | K-4   | Ⓢ   | Q1409 | E-8   | Ⓢ   |       | IC804 | J-2   |        | IC1401 | F-5    |        |     |        |       |     |        |     |
| L     |      |   | R    |     |   | *    |     |   | D305       | F-8  | Ⓢ   | D801 | J-2  | Ⓢ   | D1408 | H-9  | Ⓢ   | Q015 | E-8  | Ⓢ   | Q208  | C-2   | Ⓢ   | Q228  | F-9   | Ⓢ   | Q801  | I-2   | Ⓢ     | Q1410  | F-3    | Ⓢ      | L      | R   | D-5    | IC805 | H-3 | IC1402 | E-9 |
| D001  | A-2  | Ⓢ | D402 | K-7 | Ⓢ | D802 | J-2 | Ⓢ | D1409      | H-9  | Ⓢ   | Q016 | E-2  | Ⓢ   | Q209  | C-10 | Ⓢ   | Q229 | D-2  | Ⓢ   | Q802  | I-2   | Ⓢ   | Q1411 | G-5   | Ⓢ   | IC001 | B-1   | D-5   | IC806  | I-2    | IC1403 |        |     |        |       | H-7 |        |     |
| D002  | A-2  | Ⓢ | D403 | K-7 | Ⓢ | D803 | J-3 | Ⓢ | D1410      | H-8  | Ⓢ   | Q017 | E-2  | Ⓢ   | Q210  | D-8  | Ⓢ   | Q230 | F-2  | Ⓢ   | Q803  | J-2   | Ⓢ   | Q1412 | F-8   | Ⓢ   | IC002 | B-2   |       |        | D-5    |        | IC807  | K-3 | IC1404 | F-8   |     |        |     |
| D003  | B-1  | Ⓢ | D404 | K-7 | Ⓢ | D804 | J-3 | Ⓢ | TRANSISTOR | Q018 | E-1 | Ⓢ    | Q211 | C-9 | Ⓢ     | Q231 | F-2 | Ⓢ    | Q804 | I-2 | Ⓢ     | Q1413 | H-5 | Ⓢ     | IC004 | B-3 | D-5   | IC808 | J-3   | IC1405 |        | F-6    |        |     |        |       |     |        |     |
| D004  | F-1  | Ⓢ | D405 | K-7 | Ⓢ | D805 | H-8 | Ⓢ |            | Q019 | E-1 | Ⓢ    | Q212 | D-8 | Ⓢ     | Q232 | E-3 | Ⓢ    | Q805 | J-2 | Ⓢ     | Q1414 | G-8 | Ⓢ     | IC202 | D-5 |       |       | D-5   |        | IC809  | J-3    | IC1406 | G-6 |        |       |     |        |     |
| D005  | B-10 | Ⓢ | D406 | M-7 | Ⓢ | D806 | H-8 | Ⓢ | Q020       | F-1  | Ⓢ   | Q213 | D-10 | Ⓢ   | Q301  | D-3  | Ⓢ   | Q806 | I-9  | Ⓢ   | Q1415 | G-5   | Ⓢ   | IC203 | H-3   | D-5 | IC810 | I-4   |       | IC1407 |        | H-8    |        |     |        |       |     |        |     |
| D006  | E-1  | Ⓢ | D407 | K-7 | Ⓢ | D807 | H-8 | Ⓢ | Q001       | A-2  | Ⓢ   | Q021 | F-1  | Ⓢ   | Q302  | D-3  | Ⓢ   | Q807 | H-9  | Ⓢ   | Q1416 | G-8   | Ⓢ   | IC204 | D-6   |     |       | D-5   | IC811 |        | I-4    | IC1408 | H-8    |     |        |       |     |        |     |
| D151  | A-3  | Ⓢ | D408 | L-7 | Ⓢ | D808 | H-8 | Ⓢ | Q002       | C-10 | Ⓢ   | Q022 | F-2  | Ⓢ   | Q303  | D-3  | Ⓢ   | Q808 | H-9  | Ⓢ   | Q1417 | G-6   | Ⓢ   | IC205 | E-7   | D-5 | IC812 |       |       | J-3    | IC1409 |        | H-9    |     |        |       |     |        |     |
| D201  | D-6  | Ⓢ | D409 | L-9 | Ⓢ | D809 | K-3 | Ⓢ | Q003       | A-9  | Ⓢ   | Q023 | F-2  | Ⓢ   | Q304  | E-3  | Ⓢ   | Q809 | H-9  | Ⓢ   | Q1418 | F-7   | Ⓢ   | IC206 | F-3   |     |       | D-5   | IC813 | H-2    |        | IC1410 | G-9    |     |        |       |     |        |     |
| D202  | G-8  | Ⓢ | D410 | M-3 | Ⓢ | D810 | K-3 | Ⓢ | Q004       | A-1  | Ⓢ   | Q024 | B-4  | Ⓢ   | Q216  | D-8  | Ⓢ   | Q401 | K-4  | Ⓢ   | Q811  | H-2   | Ⓢ   | Q1419 | F-7   | D-5 | IC401 |       |       | J-8    | IC814  |        | K-2    |     |        |       |     |        |     |
| D204  | E-2  | Ⓢ | D411 | L-3 | Ⓢ | D816 | K-1 | Ⓢ | Q005       | A-9  | Ⓢ   | Q151 | B-5  | Ⓢ   | Q218  | E-2  | Ⓢ   | Q402 | K-4  | Ⓢ   | Q812  | H-2   | Ⓢ   | Q1420 | F-7   |     |       | D-5   | IC402 | F-8    |        | IC815  | K-4    |     |        |       |     |        |     |
| D205  | E-2  | Ⓢ | D412 | M-8 | Ⓢ | D817 | K-1 | Ⓢ | Q006       | E-1  | Ⓢ   | Q152 | B-6  | Ⓢ   | Q219  | E-2  | Ⓢ   | Q403 | L-4  | Ⓢ   | Q813  | H-2   | Ⓢ   | Q1422 | F-7   | D-5 | IC403 |       |       | J-7    | IC816  |        | K-4    |     |        |       |     |        |     |
| D206  | D-9  | Ⓢ | D413 | M-7 | Ⓢ | D818 | J-1 | Ⓢ | Q007       | B-4  | Ⓢ   | Q153 | C-5  | Ⓢ   | Q220  | E-2  | Ⓢ   | Q404 | L-4  | Ⓢ   | Q814  | K-4   | Ⓢ   | Q1423 | H-9   |     |       | D-5   | IC404 | K-9    |        | IC817  | K-2    |     |        |       |     |        |     |
| D207  | G-9  | Ⓢ | D414 | M-3 | Ⓢ | D819 | J-1 | Ⓢ | Q008       | C-1  | Ⓢ   | Q201 | D-4  | Ⓢ   | Q221  | F-7  | Ⓢ   | Q    |      |     |       |       |     |       |       |     |       |       |       |        |        |        |        |     |        |       |     |        |     |



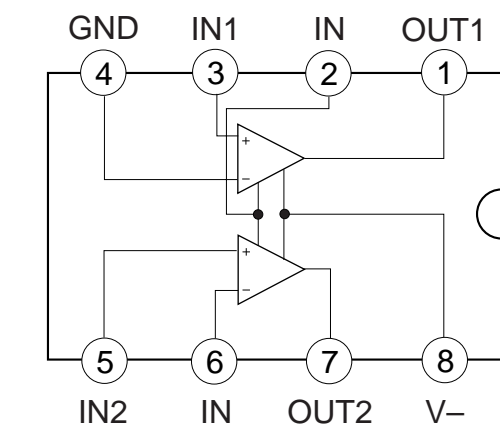
# • G BOARD WAVEFORMS



## G BOARD : IC654 DM-58



## G BOARD : IC651 μPC393C

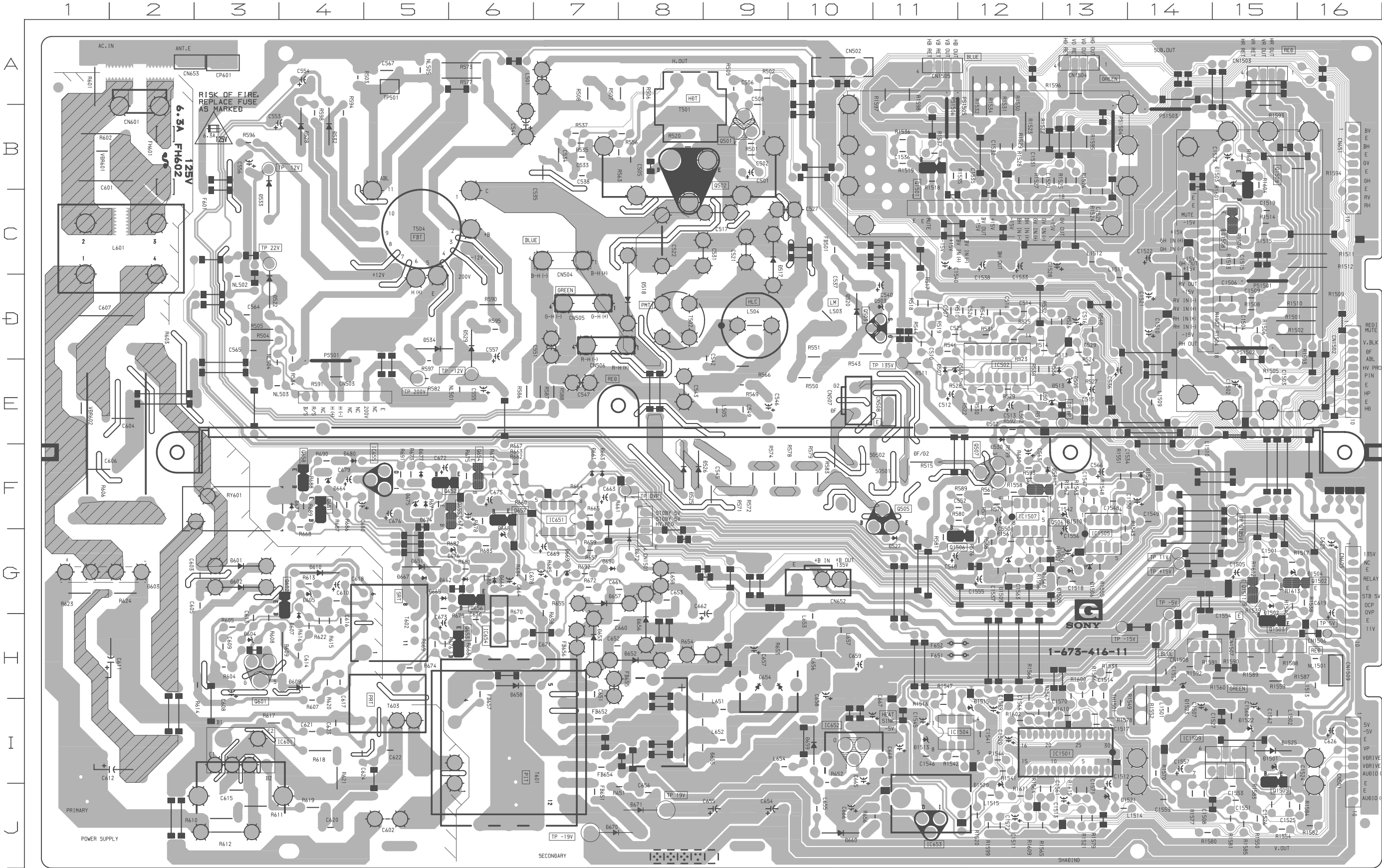


Schematic diagram

G board →

G<sub>1</sub>  
(H/V, DY DRIVE,  
POWER SUPPLY)

– G Board –



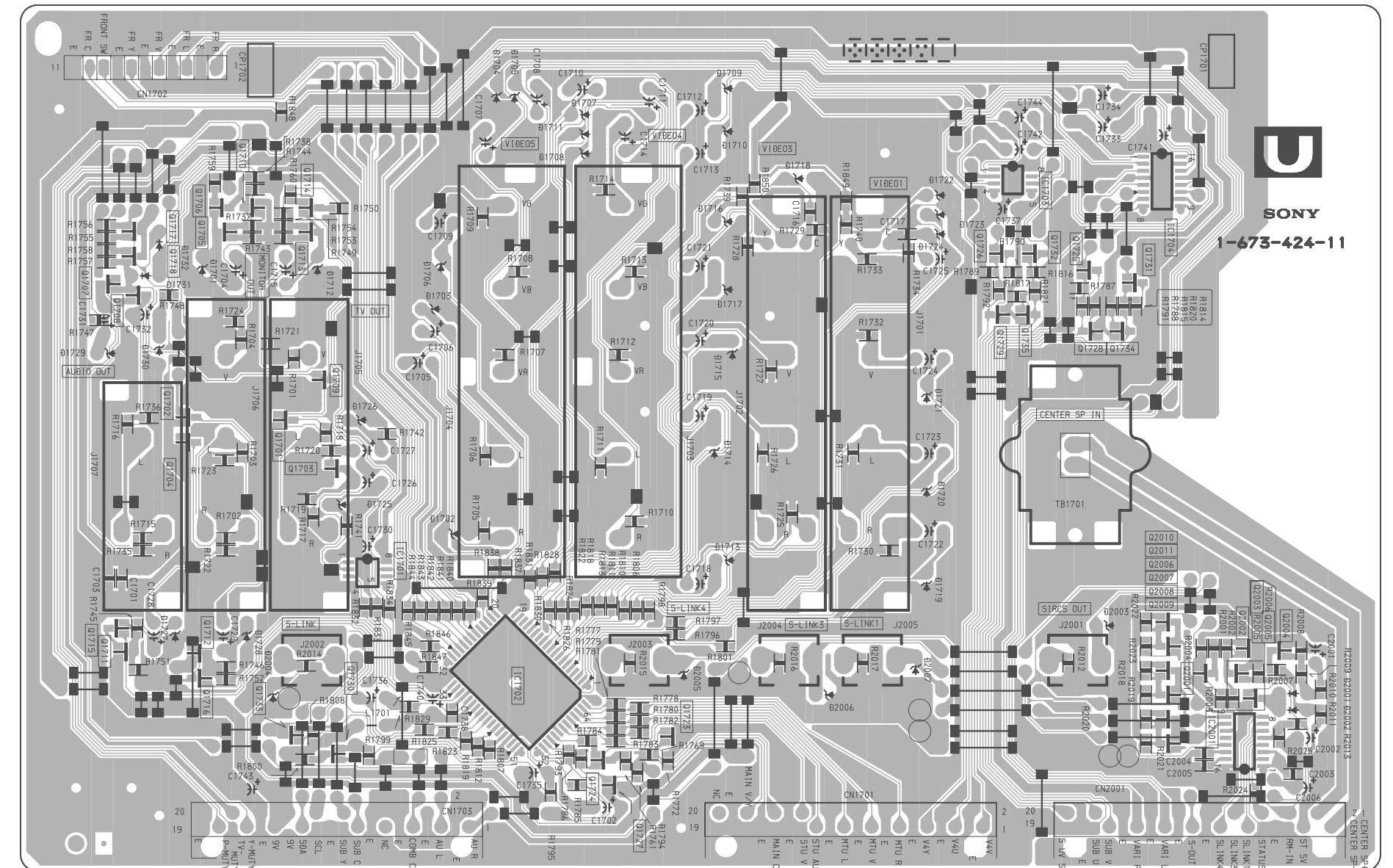
G BOARD

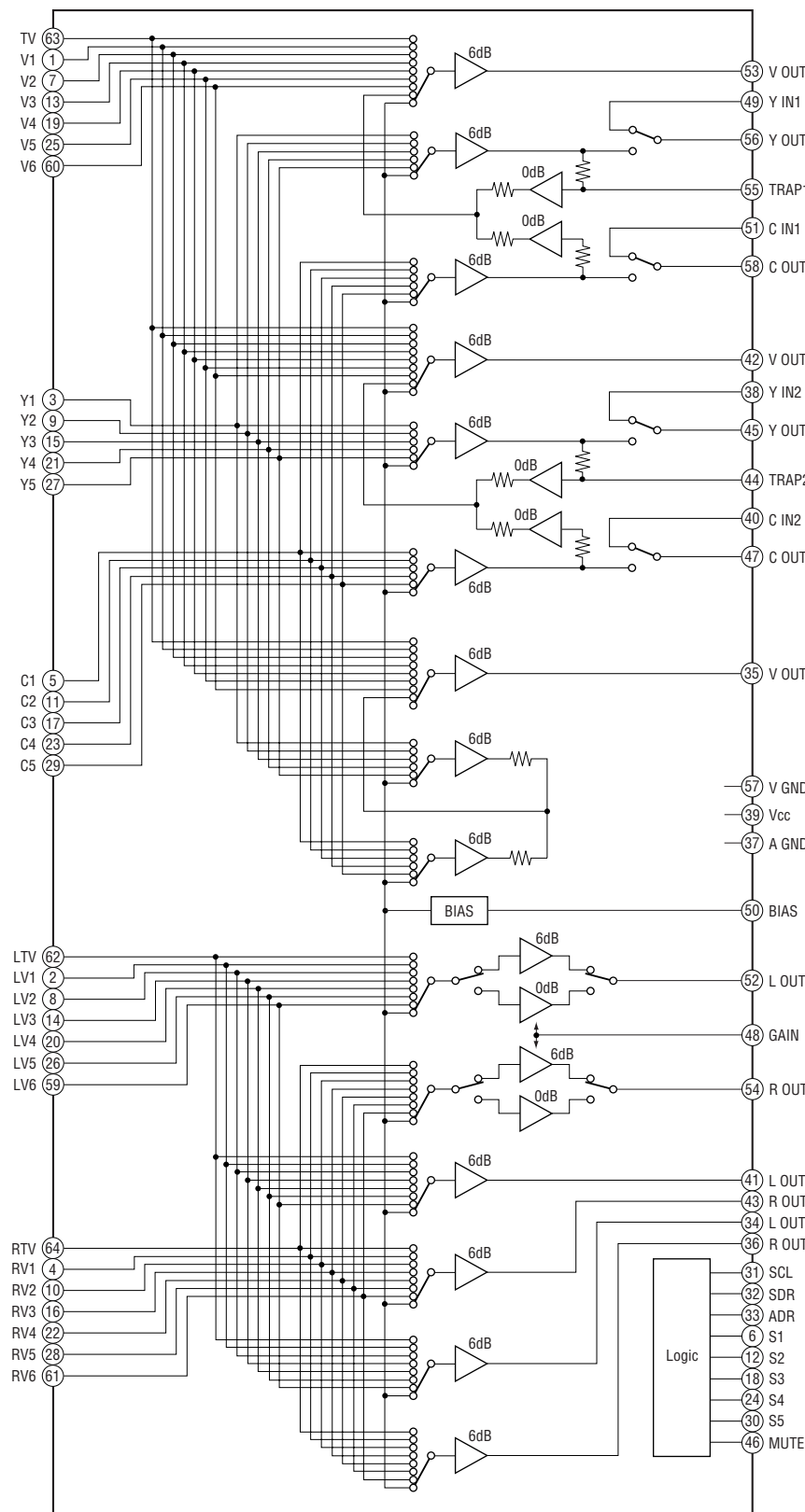
| DIODE |      | D1503      | B-15 |
|-------|------|------------|------|
| D501  | E-13 | D1504      | G-15 |
| D505  | E-13 | D1505      | G-13 |
| D506  | E-11 | D1506      | G-13 |
| D507  | E-11 | D1507      | F-14 |
| D513  | E-13 | D1509      | G-12 |
| D517  | C-9  | D1510      | F-13 |
| D518  | D-8  | D1513      | I-11 |
| D520  | D-10 | D1515      | I-12 |
| D522  | D-3  | D1520      | J-12 |
| D525  | F-8  | D1521      | J-13 |
| D526  | F-8  | D1522      | I-15 |
| D528  | B-4  | D1523      | H-14 |
| D529  | D-6  | D1525      | I-15 |
| D530  | E-12 | TRANSISTOR |      |
| D531  | F-13 | Q501       | B-9  |
| D532  | B-4  | Q502       | B-8  |
| D533  | B-6  | Q503       | D-11 |
| D534  | D-5  | Q505       | F-11 |
| D601  | G-3  | Q506       | F-12 |
| D602  | G-3  | Q507       | F-12 |
| D603  | G-2  | Q601       | H-3  |
| D604  | H-3  | Q602       | G-4  |
| D605  | G-4  | Q651       | F-4  |
| D607  | H-4  | Q652       | F-5  |
| D609  | H-4  | Q653       | H-6  |
| D610  | G-4  | Q654       | F-6  |
| D651  | G-5  | Q655       | F-5  |
| D652  | H-8  | Q656       | G-6  |
| D653  | H-7  | Q657       | F-6  |
| D654  | H-9  | Q658       | F-4  |
| D655  | I-8  | Q1501      | B-11 |
| D656  | H-8  | Q1502      | G-15 |
| D657  | G-7  | Q1503      | H-15 |
| D658  | H-6  | Q1505      | I-15 |
| D659  | I-10 | Q1506      | G-11 |
| D660  | J-10 | Q1508      | C-15 |
| D661  | F-7  | Q1509      | B-15 |
| D662  | G-6  | Q1511      | G-15 |
| D663  | F-7  | IC         |      |
| D664  | F-4  | IC502      | E-12 |
| D665  | G-5  | IC601      | I-3  |
| D666  | G-6  | IC651      | F-7  |
| D667  | G-5  | IC652      | I-10 |
| D668  | G-6  | IC653      | J-11 |
| D669  | G-7  | IC654      | H-6  |
| D670  | J-7  | IC655      | F-5  |
| D671  | J-8  | IC1501     | I-13 |
| D673  | F-4  | IC1502     | D-14 |
| D674  | F-5  | IC1504     | I-11 |
| D675  | F-5  | IC1505     | G-13 |
| D676  | G-6  | IC1506     | C-12 |
| D677  | F-5  | IC1507     | F-12 |
| D680  | F-4  | IC1509     | I-15 |
| D1501 | I-15 |            |      |







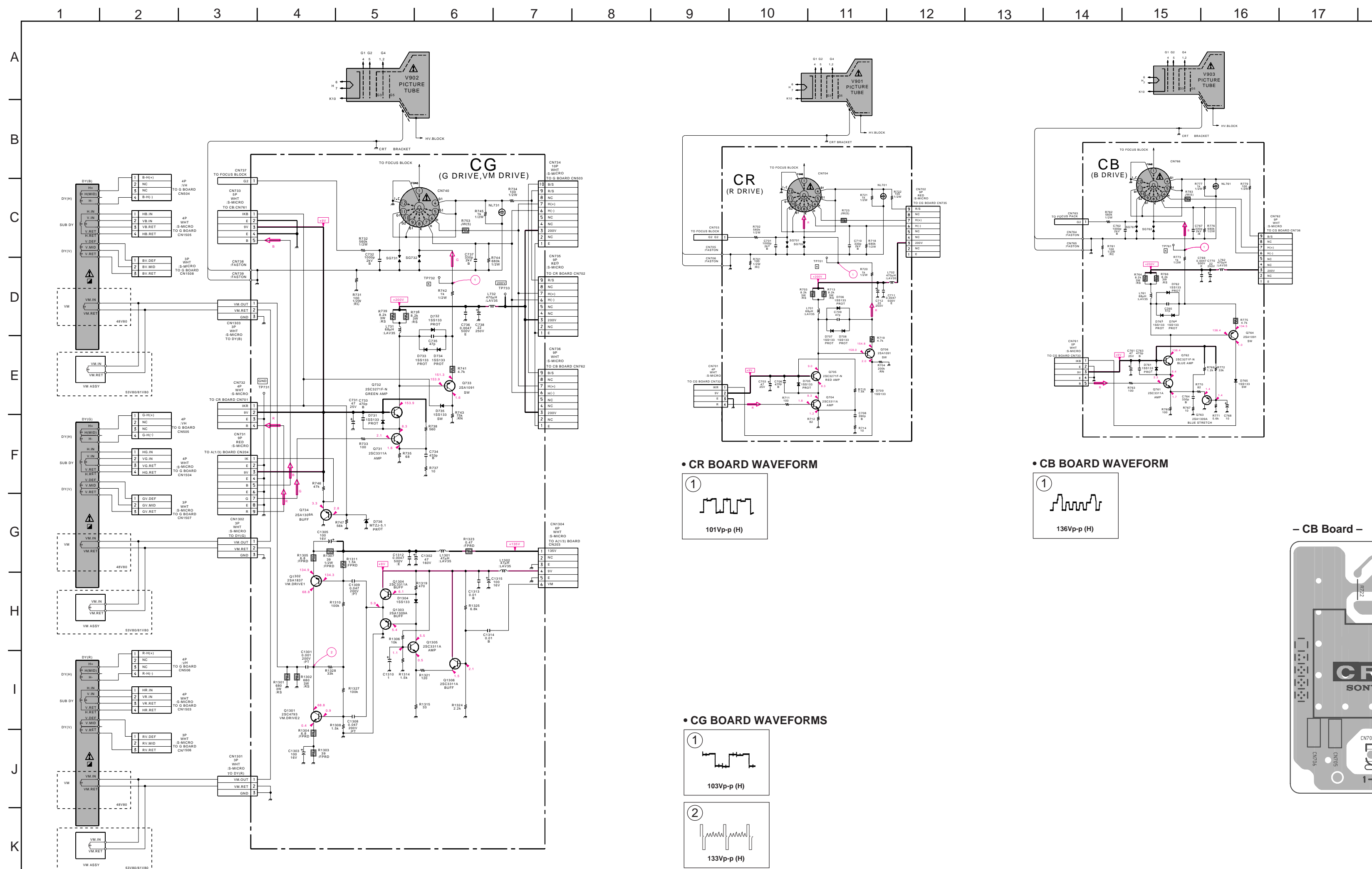
**U** [ VIDEO, AUDIO IN/OUT, AV  
SWITCH, SIRCS IN/OUT ]

**– U Board –**

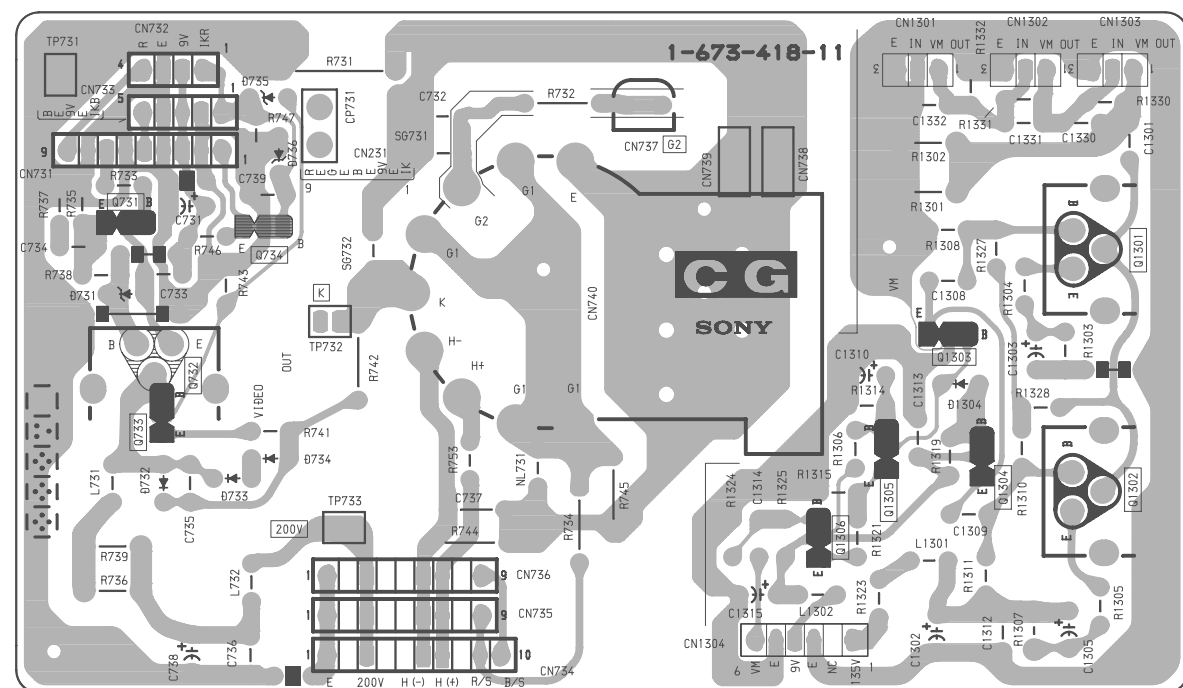




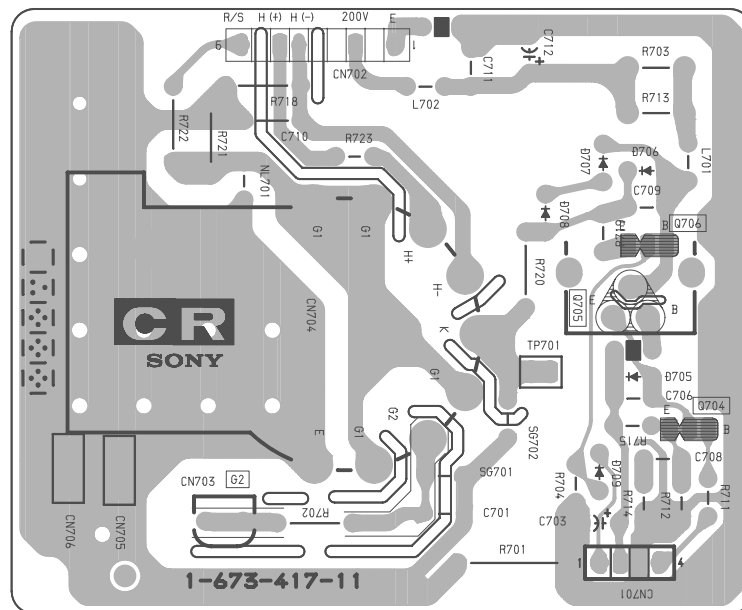
- ①   
1.6Vp-p (H)
- ②   
1.6Vp-p (H)
- ③   
0.8Vp-p (H)
- ④   
0.8Vp-p (H)



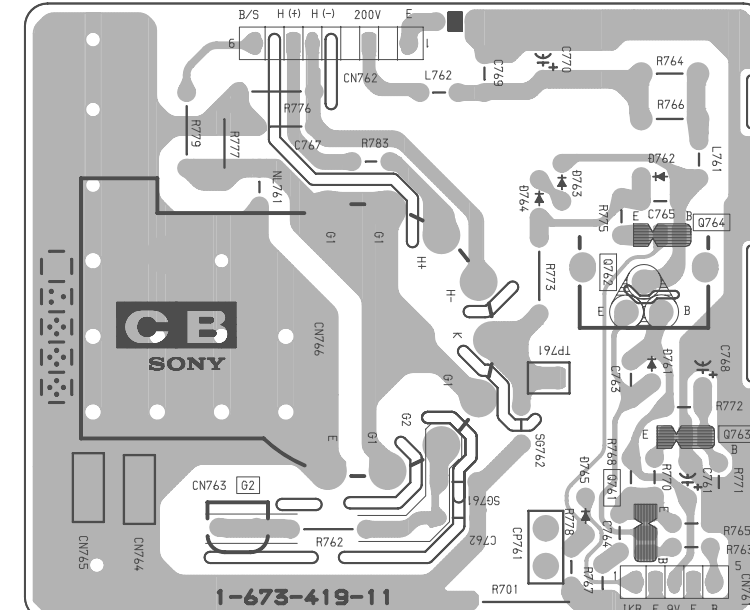
Schematic diagram  
← **U** board



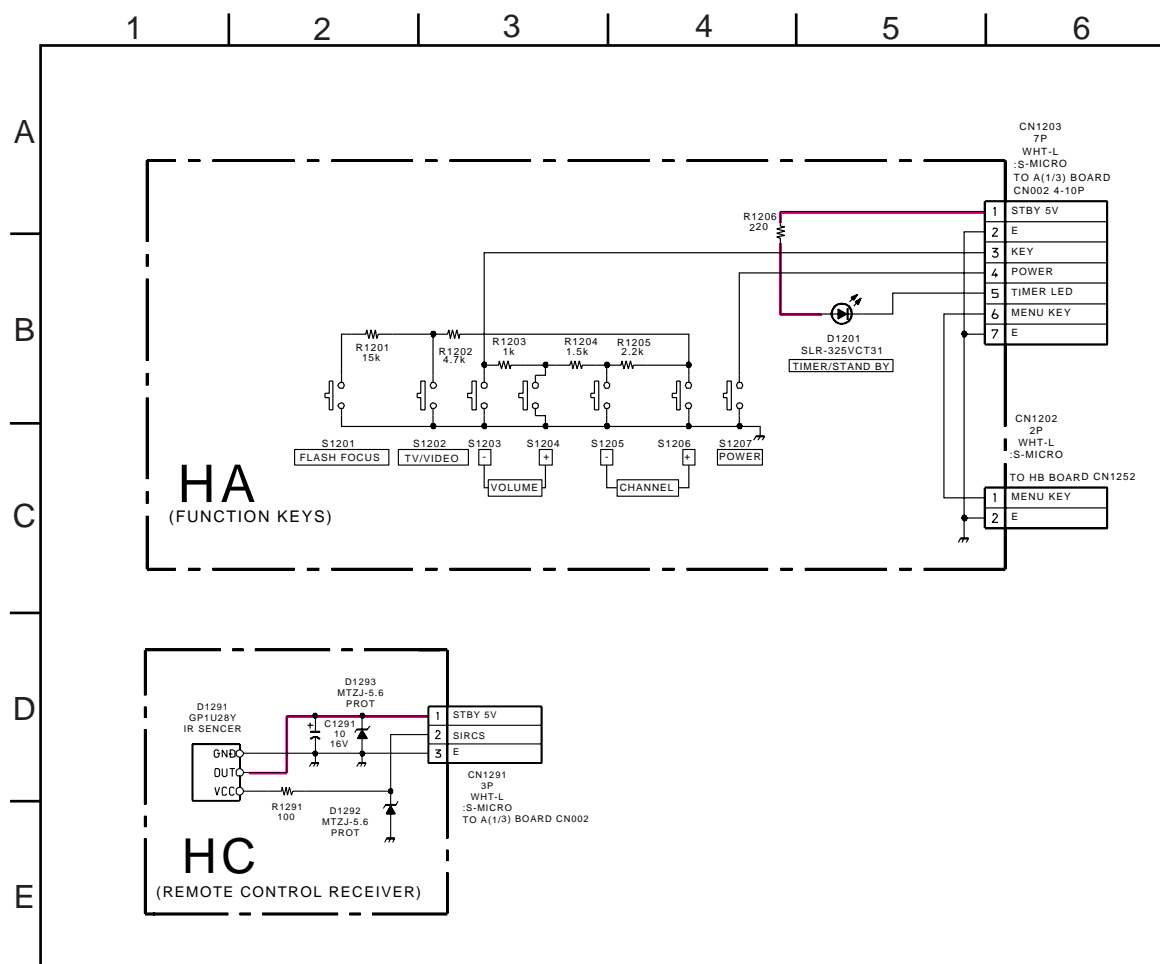
– CB Board –



– CB Board –

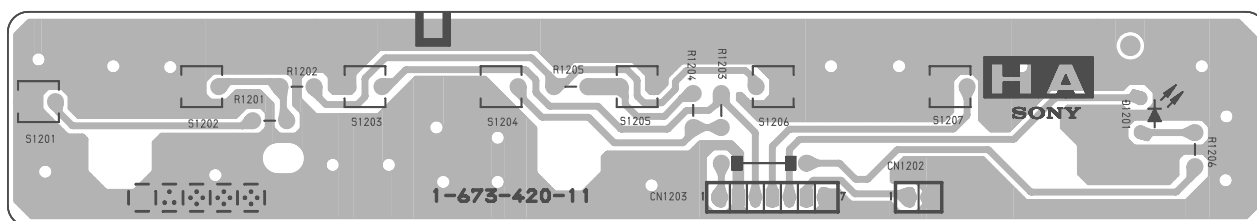




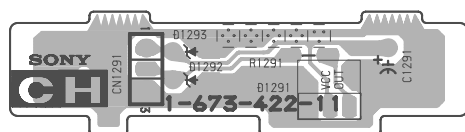


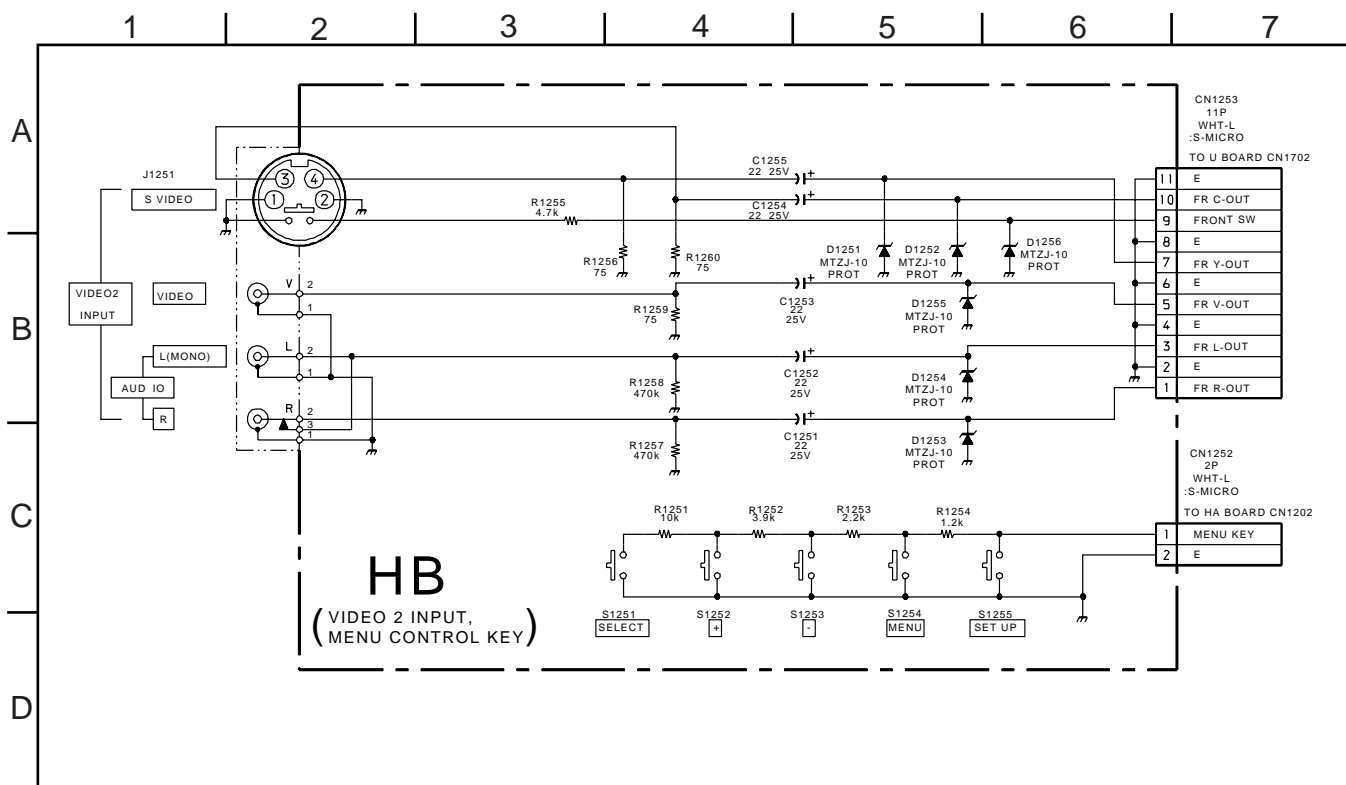
|                            |                                       |
|----------------------------|---------------------------------------|
| <b>HA</b> [ FUNCTION KEK ] | <b>HC</b> [ RIMOTE CONTROL RECEIVER ] |
|----------------------------|---------------------------------------|

– HA Board –



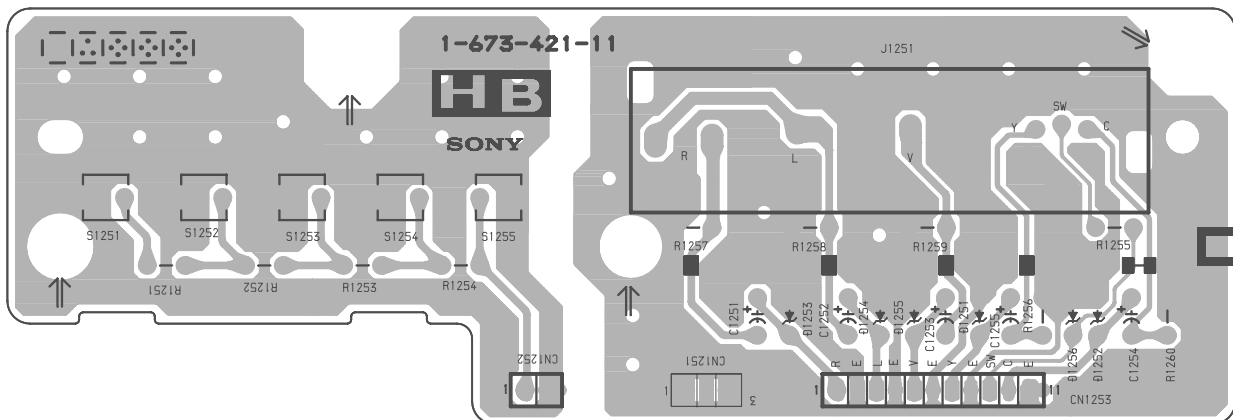
– HC Board –





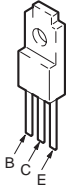
**HB** [VIDEO-2 INPUT, MENU  
CONTROL KEYS]

– HB Board –

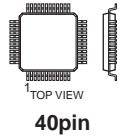


## 6-5. SEMICONDUCTORS

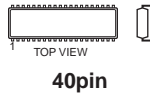
**BA05T**



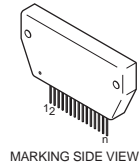
**CXA2019AQ-T4**



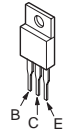
**MSM514265C-60JSDR1**



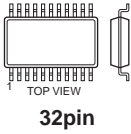
**STK392-150**



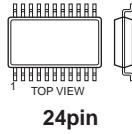
**2SA1837  
2SC4793  
IRF614**



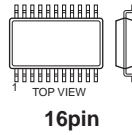
**BH3868FS-E2**



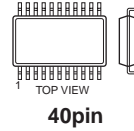
**CXA2039M-T6**



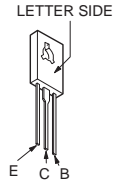
**NJM2283M-TE1**



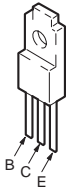
**TC528257J-80(EL)**



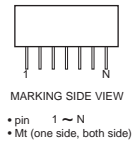
**2SC2611  
2SC2688-(5)LK**



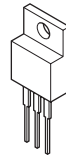
**BU4053BCF-T2  
CXA1315M  
NJM2145M-TE2  
SN74HC153ANS  
UPD6376GS-E2**



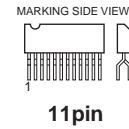
**DM-58**



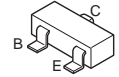
**NJM7805FA**



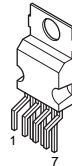
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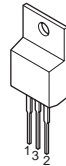
**2SA1162-G  
2SD601A-Q  
DTA144EKA-T146  
DTC143TKA-T146**



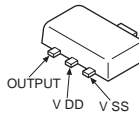
**LA78045**



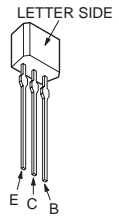
**NJM7905FA**



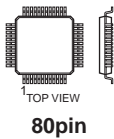
**UPC2933T-E2**



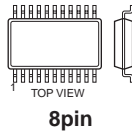
**2SA1175-HFE  
2SC2785-HFE**



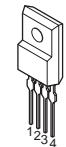
**CM0006CF**



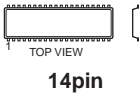
**M24C08-MN6T  
NJM2533M(TE2)  
ST24E16FM6TR  
TC7W66FU(TE12R)  
UPC4558G2  
UPC4570G2**



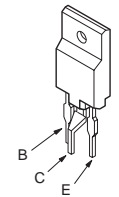
**PQ09RD11**



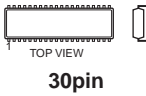
**UPC339C**



**2SC5022-02**



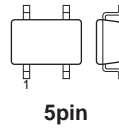
**CXA1726AS**



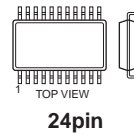
**M5218AP  
UPC393C**



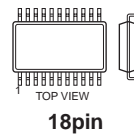
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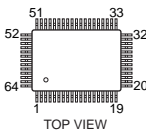
**UPC659AGS-E2**



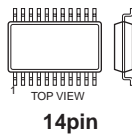
**Z8613012SSC-00TR**



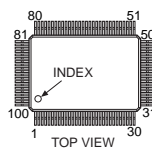
**CXA1845Q  
CXA2147Q  
CXP750010-009Q  
CXP86324-021Q**



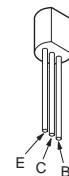
**MC74HC04AF  
MC74HC32AF  
NJM2058M-TE2  
TC74HC08AF(EL)  
TLC2932IPW**



**SAB9076H/N4  
TC9447F-003  
UPD64081BGF-3BA**



**2SA1091-O**



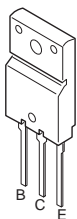
**2SD2144S-UVW  
2SD2144S-V**



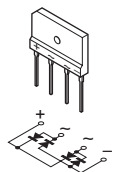
# KP-48V80/53V80/61V80

RM-Y905 RM-Y905 RM-Y905

2SD2578-RF

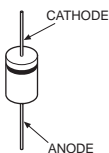
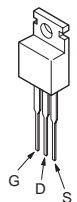


D4SBS4-F



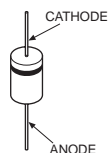
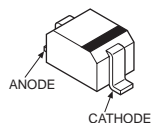
D1NL20U

2SK2663



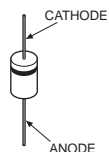
D1NS6  
EGP20G  
EL1Z  
GP08D  
RGP02-20EL-6394

1SS355TE-17  
DTZ10B  
DTZ33B  
DTZ4.7C  
UDZ-TE-17-22B  
UDZS-TE17-5.6B

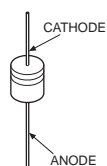
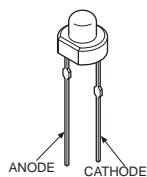


D3S6M-F  
ERA22-08  
ERC04-06SE  
ERC06-15S

D1N20R  
D2L20U  
MTZJ-10B  
MTZJ-13  
MTZJ-2.7A  
MTZJ-4.7C  
MTZJ-7.5B  
MTZJ-T-77-24  
MTZJ-T-77-5.6B  
RD10ES-B2  
RD15ES-B2  
RD18ESB2  
RD24ES-B1  
RD3.9ES-B2  
RD5.1ES-B1  
RD5.1ESB2  
RD5.6ES-B2  
RD6.2ESB2  
RD8.2ES-B2



SLR-325VCT31





## SECTION 7

### EXPLODED VIEWS

#### NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service
- The construction parts of an assembled part are indicated with a collation number in the remark column.

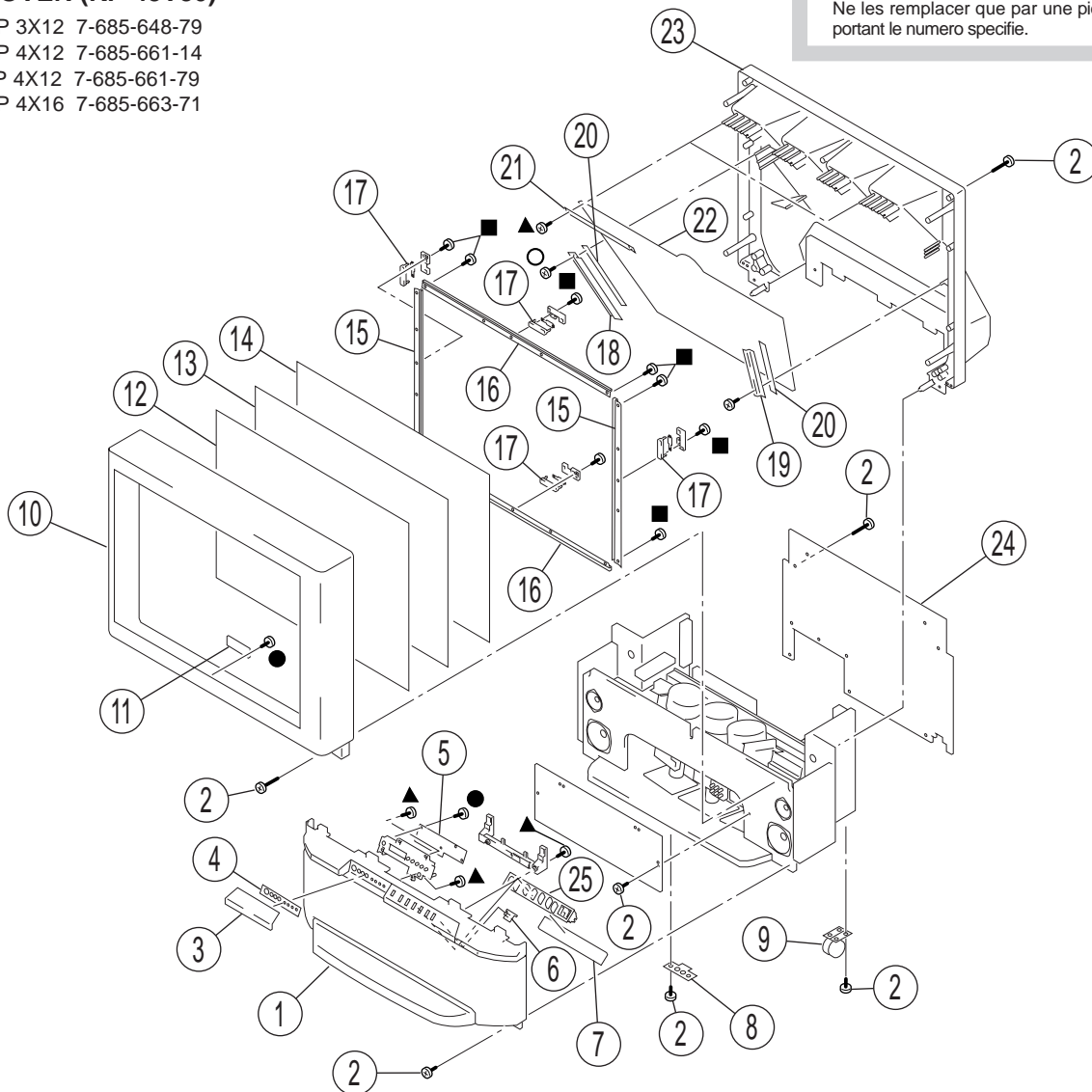
- Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ▲ are critical for safety.  
Replace only with part number specified.

Les composants identifiés par une trame et une marque ▲ sont critiques pour la sécurité.  
Ne les remplacer que par une pièce portant le numéro spécifié.

#### 7-1. COVER (KP-48V80)

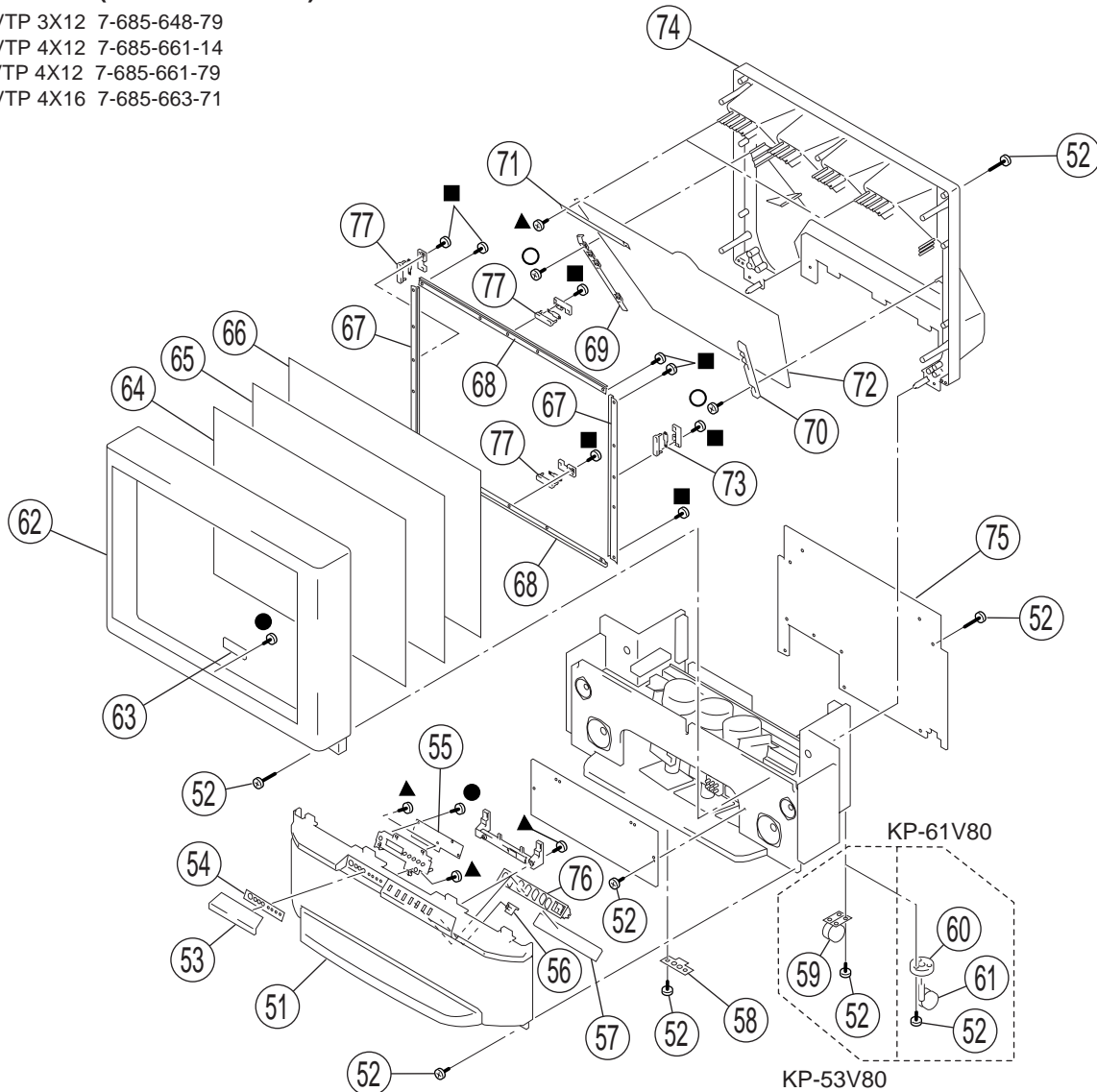
- : +BVTP 3X12 7-685-648-79
- : +BVTP 4X12 7-685-661-14
- ▲ : +BVTP 4X12 7-685-661-79
- : +BVTP 4X16 7-685-663-71




| REF. NO. | PART NO.       | DESCRIPTION                | REMARK | REF. NO. | PART NO.       | DESCRIPTION             | REMARK  |
|----------|----------------|----------------------------|--------|----------|----------------|-------------------------|---------|
| 1        | X-4036-837-1   | GRILLE (48V) ASSY, SPEAKER |        | 14       | 4-070-235-11   | PLATE (L), DIFFUSION    |         |
| 2        | 4-041-164-11   | SCREW (4X20), TAPPING      |        | 15       | * 4-070-336-11 | HOLDER, SCREEN (YC)     |         |
| 3        | 4-069-671-11   | DOOR (V), CONTROL          |        | 16       | * 4-070-336-41 | HOLDER, SCREEN (YC)     |         |
| 4        | 4-069-715-01   | LABEL, CONTROL             |        | 17       | * A-1390-933-A | S BOARD, COMPLETE       |         |
| 5        | * A-1372-620-A | HB BOARD, COMPLETE         |        | 18       | * 4-051-790-02 | HOLDER, MIRSD (L)       |         |
| 6        | 4-069-682-01   | GUIDE, LED                 |        | 19       | * 4-051-789-02 | HOLDER, MIRSD (R)       |         |
| 7        | * A-1372-619-A | HA BOARD, COMPLETE         |        | 20       | * 4-049-098-01 | CUSHION                 |         |
| 8        | 4-048-175-01   | FOOT, PLASTIC              |        | 21       | * 4-070-345-21 | HOLDER (TOP), MIRROR    |         |
| 9        | 4-040-755-01   | CASTER (DIA. 30)           |        | 22       | 4-071-048-01   | MIRROR (48), REFLECTION |         |
| 10       | X-4036-838-1   | BEZNET ASSY (48V)          |        | 23       | * 4-057-610-01 | COVER, MIRROR           |         |
| 11       | * A-1372-618-A | HC BOARD, COMPLETE         |        | 24       | * 4-071-126-01 | BOARD, REAR (48)        | (48V80) |
| 12       | 4-064-651-11   | SCREEN (48), CONTRAST      |        | 25       | 4-069-681-01   | BUTTON, MULTI           |         |
| 13       | 4-058-455-12   | PLATE (F), DIFFUSION       |        |          |                |                         |         |


## 7-2. COVER (KP-53V80/61V80)

- : +BVTP 3X12 7-685-648-79
- : +BVTP 4X12 7-685-661-14
- ▲ : +BVTP 4X12 7-685-661-79
- : +BVTP 4X16 7-685-663-71



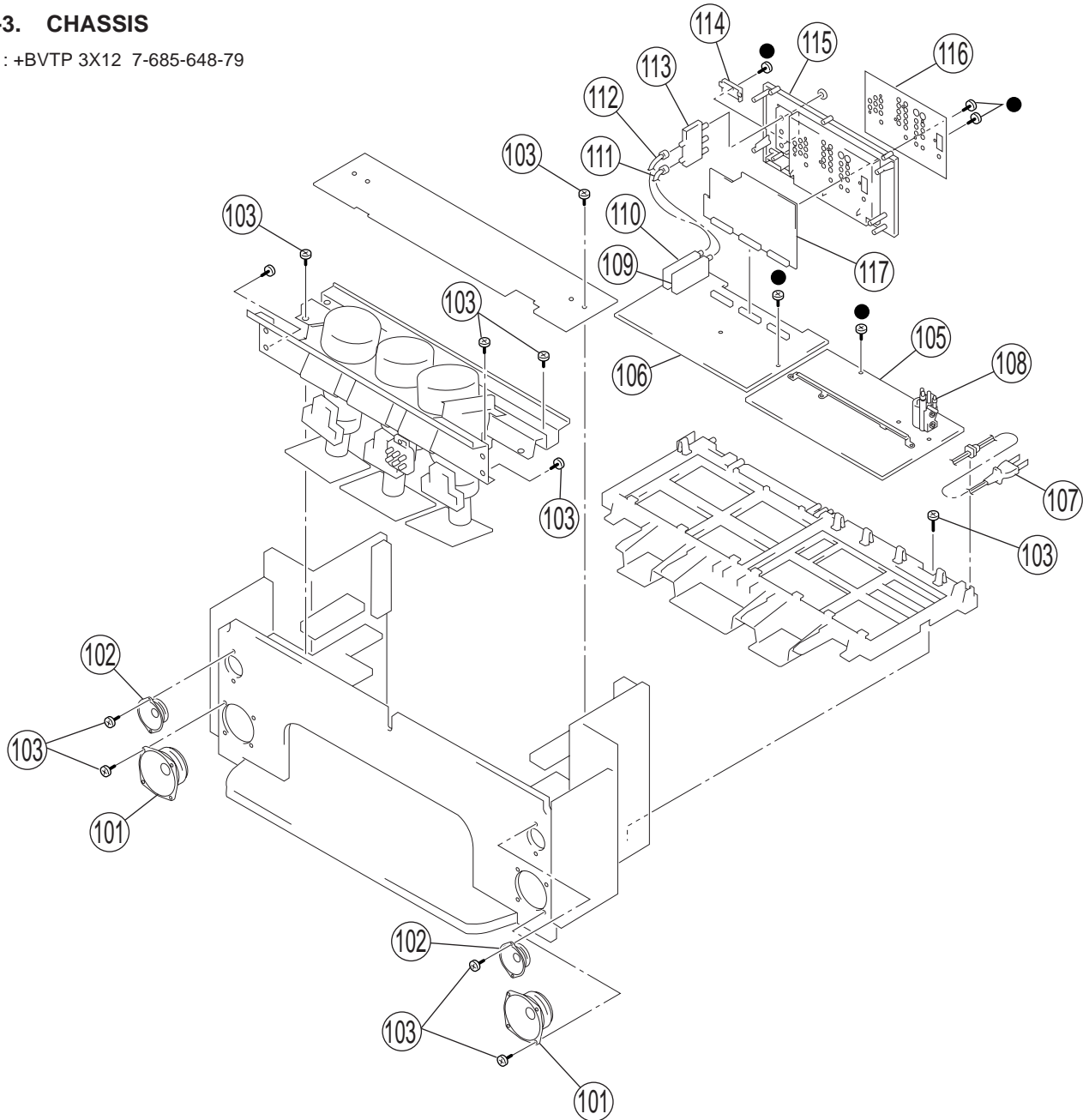
| REF. NO. | PART NO.       | DESCRIPTION           | REMARK  | REF. NO. | PART NO.       | DESCRIPTION             | REMARK  |
|----------|----------------|-----------------------|---------|----------|----------------|-------------------------|---------|
| 51       | X-4036-806-1   | GRILLE ASSY, SPEAKER  | (61V80) | 66       | 4-064-343-11   | PLATE (L), DIFFUSION    | (53V80) |
|          | X-4036-808-1   | GRILLE ASSY, SPAKER   | (53V80) |          | 4-070-283-11   | PLATE (L), DIFFUSION    | (61V80) |
| 52       | 4-041-164-11   | SCREW (4X20), TAPPING |         | 67       | * 4-070-330-01 | HOLDER (S), SCREEN (YC) | (53V80) |
| 53       | 4-069-671-11   | DOOR (V), CONTROL     |         |          | * 4-070-334-01 | HOLDER (S), SCREEN (YC) | (61V80) |
| 54       | 4-069-715-01   | LABEL, CONTROL        |         | 68       | * 4-070-328-11 | HOLDER (L), SCREEN (YC) | (53V80) |
| 55       | * A-1372-620-A | HB BOARD, COMPLETE    |         |          | * 4-070-329-01 | HOLDER (L), SCREEN (YC) | (61V80) |
| 56       | 4-069-682-01   | GUIDE, LED            |         | 69       | * 4-069-687-01 | HOLDER (LS), MIRROR     | (53V80) |
| 57       | * A-1372-619-A | HA BOARD, COMPLETE    |         |          | * 4-069-689-01 | HOLDER (L), MIRROR      | (61V80) |
| 58       | 4-048-175-01   | FOOT, PLASTIC         |         | 70       | * 4-069-688-01 | HOLDER (RS), MIRROR     | (53V80) |
| 59       | 4-040-755-01   | CASTER (DIA. 30)      | (53V80) |          | * 4-069-690-01 | HOLDER (R), MIRROR      | (61V80) |
| 60       | 4-030-850-03   | SOCKET, CASTER        | (61V80) | 71       | * 4-070-345-01 | HOLDER (TOP), MIRROR    | (61V80) |
| 61       | 4-061-174-01   | CASTER                | (61V80) |          | * 4-070-345-11 | HOLDER (TOP), MIRROR    | (53V80) |
| 62       | X-4036-807-1   | BEZNET ASSY           | (61V80) | 72       | 4-070-344-01   | MIRROR, REFLECTION      | (53V80) |
|          | X-4036-809-1   | BEZNET ASSY (53V)     | (53V80) |          | 4-070-922-01   | MIRROR, REFLECTION      | (61V80) |
| 63       | * A-1372-618-A | HC BOARD, COMPLETE    |         | 77       | * A-1390-933-A | S BOARD, COMPLETE       |         |
| 64       | 4-058-538-11   | SCREEN (61), CONTRAST | (61V80) | 74       | * 4-069-694-01 | COVER, MIRROR           | (53V80) |
|          | 4-058-894-11   | SCREEN (53), CONTRAST | (53V80) |          | * 4-069-695-01 | COVER, MIRROR           | (61V80) |
| 65       | 4-066-082-11   | PLATE (F), DIFFUSION  | (61V80) | 75       | * 4-070-342-01 | BOARD (53), REAR        | (53V80) |
|          | 4-070-602-11   | PLATE (F), DIFFUSION  | (53V80) |          | * 4-070-920-01 | BOARD, REAR             | (61V80) |
|          |                |                       |         | 76       | 4-069-681-01   | BUTTON, MULTI           |         |



Les composants identifiés par une trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark  are critical for safety. Replace only with part number specified.

### 7-3. CHASSIS

■ : +BVTP 3X12 7-685-648-79



| REF. NO. | PART NO.   | DESCRIPTION                    | REMARK     |
|----------|--|--------------------------------|------------|
| 101      | 1-529-401-11   | SPEAKER (13cm)                 | (48/53V80) |
|          | 1-529-402-11   | SPEAKER (16cm)                 | (61V80)    |
| 102      | 1-529-403-21   | SPEAKER (6.6cm)                |            |
| 103      | 4-378-522-31   | SCREW (4X20), TAPPING          |            |
| 105      | * A-1316-437-A   | G BOARD, COMPLETE              | (53V80)    |
| 105      | * A-1316-471-A   | G BOARD, COMPLETE              | (48/61V80) |
| 106      | * A-1298-843-A   | A BOARD, COMPLETE              |            |
| 107      |  1-790-130-11 | CORD, AC POWER(WITH CONNECTOR) |            |
| 108      |  X-4560-164-1 | FLAY BACK TRANS ASSY,          |            |
|          |  | NX4007//J114(T504)             |            |
| 109      | 8-598-430-00   | TUNER, FSS BTF-FA401 (TU152)   |            |

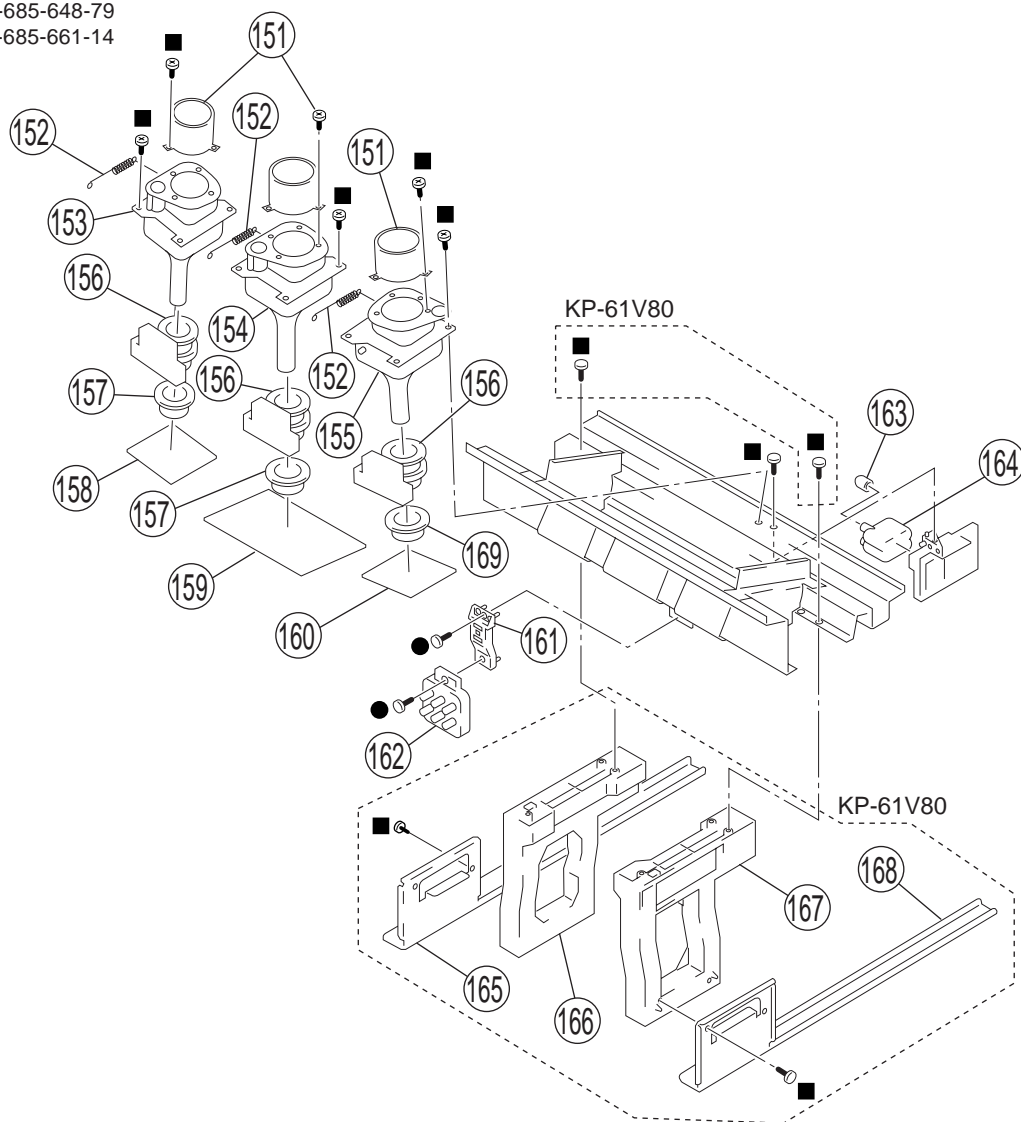
| REF. NO. | PART NO.       | DESCRIPTION                  | REMARK  |
|----------|----------------|------------------------------|---------|
| 110      | 8-598-431-20   | TUNER, FSS BTF-WA411 (TU151) |         |
| 111      | * 1-557-056-31 | CABLE, P-P                   |         |
| 112      | 1-556-945-21   | CABLE, P-P                   |         |
| 113      | 8-598-414-20   | CHANGER, ANTENNA AS-2F       |         |
| 114      | 4-069-675-01   | CAP, TERMINAL BOARD          | (48V80) |
| 115      | 4-069-674-01   | TERMINAL BOARD               |         |
| 116      | 4-069-661-01   | LABEL, TERMINAL              |         |
| 117      | * A-1373-727-A | U BOARD, COMPLETE            |         |

Les composants identifiés par une trame et une marque  $\triangle$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark  $\triangle$  are critical for safety. Replace only with part number specified.

## 7-4. PICTURE TUBE

- : +BVTP 3X12 7-685-648-79  
■ : +BVTP 4X12 7-685-661-14




| REF. NO. | PART NO.                            | DESCRIPTION           | REMARK     | REF. NO. | PART NO.       | DESCRIPTION                | REMARK     |
|----------|-------------------------------------|-----------------------|------------|----------|----------------|----------------------------|------------|
| 151      | 4-056-258-11                        | LENS (DELTA 78)       | (48/61V80) |          | △ 1-452-790-21 | NECK ASSY                  | (48V80)    |
|          | 4-040-131-21                        | LENS (LINNIT POINT 6) | (61V80)    | 158      | * A-1331-922-A | CR BOARD, COMPLETE         |            |
| 152      | 4-057-007-01                        | SPRING, TENSION       | (53/61V80) | 159      | * A-1331-923-A | CG BOARD, COMPLETE         |            |
| 153      | △ 8-733-572-05                      | CRT 07MXC3(R)(HEATER) | (48V80)    | 160      | * A-1331-924-A | CB BOARD, COMPLETE         |            |
|          | △ A-1501-278-ACOUPLER (R) ASSY, CRT | (53V80)               |            |          |                |                            |            |
|          | △ A-1501-521-ACOUPLER (R) ASSY, CRT | (61V80)               |            | 161      | * 4-063-403-01 | BRACKET, FOCUS PACK        |            |
| 154      | △ 8-733-570-05                      | CRT 07MXC2(G)(HEATER) | (48V80)    | 162      | △ 1-223-925-11 | RESISTOR ASSY (FOCUS PACK) |            |
|          | △ A-1501-279-ACOUPLER (G) ASSY, CRT | (53V80)               |            | 163      | 4-373-137-01   | CAP (Z), RUBBER            |            |
|          | △ A-1501-522-ACOUPLER ASSY, CRT (G) | (61V80)               |            | 164      | △ 8-598-955-30 | BLOCK ASSY, HIGH-VOLTAGE   |            |
| 155      | △ 8-733-575-05                      | CRT 07MAC3(B)(HEATER) | (48V80)    | 165      | 4-070-917-01   | STAY (L), CHASSIS          | (61V80)    |
|          | △ A-1501-277-ACOUPLER (B) ASSY, CRT | (53V80)               |            | 166      | 4-069-677-01   | BOARD (L), SIDE            | (61V80)    |
|          | △ A-1501-520-ACOUPLER (B) ASSY, CRT | (61V80)               |            | 167      | 4-069-678-01   | BOARD (R), SIDE            | (61V80)    |
| 156      | △ 1-451-497-21                      | DEFLECTION YOKE       | (53/61V80) | 168      | 4-070-916-01   | STAY (R), CHASSIS          | (61V80)    |
|          | △ 1-451-496-11                      | DEFLECTION YOKE       | (48V80)    | 169      | △ 1-451-469-21 | COIL ASSY, VM              | (53/61V80) |
| 157      | △ 1-451-469-21                      | COIL ASSY, VM         | (53/61V80) |          | △ 1-452-909-31 | MAGNET ASSY, 4 POLE        | (48V80)    |


# SECTION 8

## ELECTRICAL PARTS LIST


A

### NOTE:

The components identified by shading and mark  are critical for safety.  
Replace only with part number specified.

Les composants identifiés par une trame et une marque  sont critiques pour la sécurité.  
Ne les remplacer que par une pièce portant le numéro spécifié.

When indicating parts by reference number, please include the board name.

• The components identified by  in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

• Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

### RESISTORS

- All resistors are in ohms
- F : nonflammable

• CAPACITORS  
MF :  $\mu$  F, PF :  $\mu$  F

• COILS  
MMH : m H, UH :  $\mu$  H

• There are some cases the reference number on one board overlaps on the other board. Therefore, when ordering parts by the reference number, please include the board name.

| REF. NO.                             | PART NO.     | DESCRIPTION  | REMARK          | REF. NO. | PART NO.     | DESCRIPTION  | REMARK           |
|--------------------------------------|--------------|--------------|-----------------|----------|--------------|--------------|------------------|
| * A-1298-843-A A BOARD, COMPLETE     |              |              |                 | C157     | 1-163-021-91 | CERAMIC CHIP | 0.01MF 10% 50V   |
| *****                                |              |              |                 | C159     | 1-164-161-11 | CERAMIC CHIP | 0.0022MF 10% 50V |
| 4-382-854-11 SCREW(M3X10), P, SW (+) |              |              |                 | C161     | 1-126-968-11 | ELECT        | 100MF 20% 50V    |
| <CAPACITOR>                          |              |              |                 | C162     | 1-126-960-11 | ELECT        | 1MF 20% 50V      |
| C002                                 | 1-163-259-91 | CERAMIC CHIP | 220PF 5% 50V    | C163     | 1-128-551-11 | ELECT        | 22MF 20% 25V     |
| C003                                 | 1-163-038-91 | CERAMIC CHIP | 0.1MF 25V       | C164     | 1-128-551-11 | ELECT        | 22MF 20% 25V     |
| C004                                 | 1-163-809-11 | CERAMIC CHIP | 0.047MF 10% 25V | C165     | 1-128-551-11 | ELECT        | 22MF 20% 25V     |
| C005                                 | 1-126-935-11 | ELECT        | 470MF 20% 6.3V  | C166     | 1-163-021-91 | CERAMIC CHIP | 0.01MF 10% 50V   |
| C006                                 | 1-126-960-11 | ELECT        | 1MF 20% 50V     | C167     | 1-126-935-11 | ELECT        | 470MF 20% 16V    |
| C015                                 | 1-163-259-91 | CERAMIC CHIP | 220PF 5% 50V    | C168     | 1-163-021-91 | CERAMIC CHIP | 0.01MF 10% 50V   |
| C016                                 | 1-163-809-11 | CERAMIC CHIP | 0.047MF 10% 25V | C170     | 1-163-021-91 | CERAMIC CHIP | 0.01MF 10% 50V   |
| C039                                 | 1-163-021-91 | CERAMIC CHIP | 0.01MF 10% 50V  | C171     | 1-126-933-11 | ELECT        | 100MF 20% 16V    |
| C040                                 | 1-126-916-11 | ELECT        | 1000MF 20% 6.3V | C172     | 1-126-964-11 | ELECT        | 10MF 20% 50V     |
| C041                                 | 1-163-229-11 | CERAMIC CHIP | 12PF 5% 50V     | C173     | 1-163-021-91 | CERAMIC CHIP | 0.01MF 10% 50V   |
| C042                                 | 1-126-960-11 | ELECT        | 1MF 20% 50V     | C174     | 1-126-933-11 | ELECT        | 100MF 20% 16V    |
| C044                                 | 1-163-231-11 | CERAMIC CHIP | 15PF 5% 50V     | C175     | 1-128-551-11 | ELECT        | 22MF 20% 25V     |
| C066                                 | 1-117-720-11 | CERAMIC CHIP | 4.7MF 10V       | C176     | 1-164-161-11 | CERAMIC CHIP | 0.0022MF 10% 50V |
| C072                                 | 1-163-021-91 | CERAMIC CHIP | 0.01MF 10% 50V  | C177     | 1-128-551-11 | ELECT        | 22MF 20% 25V     |
| C080                                 | 1-163-227-11 | CERAMIC CHIP | 10PF 0.5PF 50V  | C178     | 1-126-960-11 | ELECT        | 1MF 20% 50V      |
| C081                                 | 1-163-227-11 | CERAMIC CHIP | 10PF 0.5PF 50V  | C179     | 1-163-021-91 | CERAMIC CHIP | 0.01MF 10% 50V   |
| C082                                 | 1-163-227-11 | CERAMIC CHIP | 10PF 0.5PF 50V  | C180     | 1-163-021-91 | CERAMIC CHIP | 0.01MF 10% 50V   |
| C085                                 | 1-163-021-91 | CERAMIC CHIP | 0.01MF 10% 50V  | C201     | 1-104-664-11 | ELECT        | 47MF 20% 25V     |
| C086                                 | 1-163-227-11 | CERAMIC CHIP | 10PF 0.5PF 50V  | C202     | 1-163-249-11 | CERAMIC CHIP | 82PF 5% 50V      |
| C087                                 | 1-104-664-11 | ELECT        | 47MF 20% 25V    | C203     | 1-163-038-91 | CERAMIC CHIP | 0.1MF 25V        |
| C091                                 | 1-163-229-11 | CERAMIC CHIP | 12PF 5% 50V     | C205     | 1-163-038-91 | CERAMIC CHIP | 0.1MF 25V        |
| C093                                 | 1-126-933-11 | ELECT        | 100MF 20% 16V   | C209     | 1-163-038-91 | CERAMIC CHIP | 0.1MF 25V        |
| C094                                 | 1-164-004-11 | CERAMIC CHIP | 0.1MF 10% 25V   | C210     | 1-163-038-91 | CERAMIC CHIP | 0.1MF 25V        |
| C098                                 | 1-163-227-11 | CERAMIC CHIP | 10PF 0.5PF 50V  | C211     | 1-128-551-11 | ELECT        | 22MF 20% 25V     |
| C099                                 | 1-163-227-11 | CERAMIC CHIP | 10PF 0.5PF 50V  | C213     | 1-163-231-11 | CERAMIC CHIP | 15PF 5% 50V      |
| C100                                 | 1-163-227-11 | CERAMIC CHIP | 10PF 0.5PF 50V  | C214     | 1-163-231-11 | CERAMIC CHIP | 15PF 5% 50V      |
| C102                                 | 1-163-239-11 | CERAMIC CHIP | 33PF 5% 50V     | C216     | 1-163-021-91 | CERAMIC CHIP | 0.01MF 10% 50V   |
| C103                                 | 1-163-239-11 | CERAMIC CHIP | 33PF 5% 50V     | C218     | 1-163-038-91 | CERAMIC CHIP | 0.1MF 25V        |
| C104                                 | 1-163-227-11 | CERAMIC CHIP | 10PF 0.5PF 50V  | C220     | 1-163-133-00 | CERAMIC CHIP | 470PF 5% 50V     |
| C105                                 | 1-163-227-11 | CERAMIC CHIP | 10PF 0.5PF 50V  | C221     | 1-104-760-11 | CERAMIC CHIP | 0.047MF 10% 50V  |
| C106                                 | 1-163-227-11 | CERAMIC CHIP | 10PF 0.5PF 50V  | C222     | 1-109-982-11 | CERAMIC CHIP | 1MF 10% 10V      |
| C151                                 | 1-126-935-11 | ELECT        | 470MF 20% 16V   | C224     | 1-163-245-11 | CERAMIC CHIP | 56PF 5% 50V      |
| C152                                 | 1-163-021-91 | CERAMIC CHIP | 0.01MF 10% 50V  | C227     | 1-163-038-91 | CERAMIC CHIP | 0.1MF 25V        |
| C153                                 | 1-163-021-91 | CERAMIC CHIP | 0.01MF 10% 50V  | C228     | 1-163-038-91 | CERAMIC CHIP | 0.1MF 25V        |
| C154                                 | 1-163-021-91 | CERAMIC CHIP | 0.01MF 10% 50V  | C231     | 1-126-933-11 | ELECT        | 100MF 20% 16V    |
| C155                                 | 1-126-964-11 | ELECT        | 10MF 20% 50V    | C232     | 1-163-038-91 | CERAMIC CHIP | 0.1MF 25V        |
| C156                                 | 1-126-933-11 | ELECT        | 100MF 20% 16V   | C233     | 1-165-319-11 | CERAMIC CHIP | 0.1MF 50V        |
|                                      |              |              |                 | C234     | 1-126-964-11 | ELECT        | 10MF 20% 50V     |
|                                      |              |              |                 | C235     | 1-163-038-91 | CERAMIC CHIP | 0.1MF 25V        |



# KP-48V80/53V80/61V80

RM-Y905 RM-Y905 RM-Y905

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| REF. NO. | PART NO.     | DESCRIPTION           | REMARK   |
|----------|--------------|-----------------------|----------|
| C236     | 1-163-038-91 | CERAMIC CHIP 0.1MF    | 25V      |
| C237     | 1-163-038-91 | CERAMIC CHIP 0.1MF    | 25V      |
| C240     | 1-163-038-91 | CERAMIC CHIP 0.1MF    | 25V      |
| C241     | 1-126-964-11 | ELECT 10MF            | 20% 50V  |
| C242     | 1-128-551-11 | ELECT 22MF            | 20% 25V  |
| C243     | 1-163-038-91 | CERAMIC CHIP 0.1MF    | 25V      |
| C244     | 1-104-664-11 | ELECT 47MF            | 20% 25V  |
| C245     | 1-163-251-11 | CERAMIC CHIP 100PF    | 5% 50V   |
| C247     | 1-163-038-91 | CERAMIC CHIP 0.1MF    | 25V      |
| C248     | 1-163-038-91 | CERAMIC CHIP 0.1MF    | 25V      |
| C249     | 1-104-664-11 | ELECT 47MF            | 20% 25V  |
| C250     | 1-104-664-11 | ELECT 47MF            | 20% 25V  |
| C251     | 1-104-664-11 | ELECT 47MF            | 20% 25V  |
| C252     | 1-164-004-11 | CERAMIC CHIP 0.1MF    | 10% 25V  |
| C253     | 1-163-038-91 | CERAMIC CHIP 0.1MF    | 25V      |
| C254     | 1-163-038-91 | CERAMIC CHIP 0.1MF    | 25V      |
| C255     | 1-126-933-11 | ELECT 100MF           | 20% 16V  |
| C256     | 1-163-038-91 | CERAMIC CHIP 0.1MF    | 25V      |
| C257     | 1-163-038-91 | CERAMIC CHIP 0.1MF    | 25V      |
| C258     | 1-163-231-11 | CERAMIC CHIP 15PF     | 5% 50V   |
| C259     | 1-163-038-91 | CERAMIC CHIP 0.1MF    | 25V      |
| C260     | 1-163-038-91 | CERAMIC CHIP 0.1MF    | 25V      |
| C261     | 1-126-933-11 | ELECT 100MF           | 20% 16V  |
| C263     | 1-163-038-91 | CERAMIC CHIP 0.1MF    | 25V      |
| C264     | 1-163-038-91 | CERAMIC CHIP 0.1MF    | 25V      |
| C265     | 1-163-038-91 | CERAMIC CHIP 0.1MF    | 25V      |
| C266     | 1-163-038-91 | CERAMIC CHIP 0.1MF    | 25V      |
| C268     | 1-163-038-91 | CERAMIC CHIP 0.1MF    | 25V      |
| C271     | 1-163-038-91 | CERAMIC CHIP 0.1MF    | 25V      |
| C272     | 1-126-933-11 | ELECT 100MF           | 20% 16V  |
| C273     | 1-126-935-11 | ELECT 470MF           | 20% 6.3V |
| C274     | 1-163-038-91 | CERAMIC CHIP 0.1MF    | 25V      |
| C275     | 1-163-038-91 | CERAMIC CHIP 0.1MF    | 25V      |
| C276     | 1-163-275-11 | CERAMIC CHIP 0.001MF  | 5% 50V   |
| C277     | 1-126-959-11 | ELECT 0.47MF          | 20% 50V  |
| C279     | 1-126-959-11 | ELECT 0.47MF          | 20% 50V  |
| C280     | 1-163-251-11 | CERAMIC CHIP 100PF    | 5% 50V   |
| C281     | 1-130-495-00 | FILM 0.1MF            | 5% 50V   |
| C282     | 1-130-495-00 | FILM 0.1MF            | 5% 50V   |
| C283     | 1-130-495-00 | FILM 0.1MF            | 5% 50V   |
| C284     | 1-163-021-91 | CERAMIC CHIP 0.01MF   | 10% 50V  |
| C285     | 1-163-021-91 | CERAMIC CHIP 0.01MF   | 10% 50V  |
| C286     | 1-163-021-91 | CERAMIC CHIP 0.01MF   | 10% 50V  |
| C287     | 1-126-964-11 | ELECT 10MF            | 20% 50V  |
| C288     | 1-130-495-00 | MYLAR 0.1MF           | 5% 50V   |
| C289     | 1-137-581-11 | FILM 0.1MF            | 5% 100V  |
| C290     | 1-126-935-11 | ELECT 470MF           | 20% 16V  |
| C291     | 1-163-021-91 | CERAMIC CHIP 0.01MF   | 10% 50V  |
| C293     | 1-164-182-11 | CERAMIC CHIP 0.0033MF | 10% 50V  |
| C294     | 1-130-495-00 | FILM 0.1MF            | 5% 50V   |
| C296     | 1-126-961-11 | ELECT 2.2MF           | 20% 50V  |
| C297     | 1-163-251-11 | CERAMIC CHIP 100PF    | 5% 50V   |
| C298     | 1-165-319-11 | CERAMIC CHIP 0.1MF    | 50V      |
| C299     | 1-126-959-11 | ELECT 0.47MF          | 20% 50V  |
| C300     | 1-164-004-11 | CERAMIC CHIP 0.1MF    | 10% 25V  |
| C301     | 1-164-004-11 | CERAMIC CHIP 0.1MF    | 10% 25V  |
| C302     | 1-164-004-11 | CERAMIC CHIP 0.1MF    | 10% 25V  |

| REF. NO. | PART NO.     | DESCRIPTION           | REMARK    |
|----------|--------------|-----------------------|-----------|
| C303     | 1-126-933-11 | ELECT 100MF           | 20% 16V   |
| C304     | 1-163-021-91 | CERAMIC CHIP 0.01MF   | 10% 50V   |
| C305     | 1-163-017-00 | CERAMIC CHIP 0.0047MF | 10% 50V   |
| C306     | 1-126-959-11 | ELECT 0.47MF          | 20% 50V   |
| C307     | 1-126-959-11 | ELECT 0.47MF          | 20% 50V   |
| C308     | 1-126-963-11 | ELECT 4.7MF           | 20% 50V   |
| C309     | 1-163-133-00 | CERAMIC CHIP 470PF    | 5% 50V    |
| C310     | 1-163-229-11 | CERAMIC CHIP 12PF     | 5% 50V    |
| C311     | 1-126-960-11 | ELECT 1MF             | 20% 50V   |
| C312     | 1-115-419-11 | CERAMIC CHIP 3300PF   | 5% 25V    |
| C313     | 1-163-259-91 | CERAMIC CHIP 220PF    | 5% 50V    |
| C314     | 1-128-551-11 | ELECT 22MF            | 20% 25V   |
| C315     | 1-163-245-11 | CERAMIC CHIP 56PF     | 5% 50V    |
| C316     | 1-163-275-11 | CERAMIC CHIP 0.001MF  | 5% 50V    |
| C317     | 1-104-664-11 | ELECT 47MF            | 20% 16V   |
| C318     | 1-126-933-11 | ELECT 100MF           | 20% 16V   |
| C319     | 1-126-964-11 | ELECT 10MF            | 20% 50V   |
| C320     | 1-126-934-11 | ELECT 220MF           | 20% 16V   |
| C321     | 1-163-017-00 | CERAMIC CHIP 0.0047MF | 10% 50V   |
| C323     | 1-164-004-11 | CERAMIC CHIP 0.1MF    | 10% 25V   |
| C325     | 1-126-964-11 | ELECT 10MF            | 20% 50V   |
| C326     | 1-104-664-11 | ELECT 47MF            | 20% 25V   |
| C327     | 1-163-038-91 | CERAMIC CHIP 0.1MF    | 25V       |
| C328     | 1-163-038-91 | CERAMIC CHIP 0.1MF    | 25V       |
| C329     | 1-104-664-11 | ELECT 47MF            | 20% 25V   |
| C401     | 1-164-690-91 | CERAMIC CHIP 0.0022MF | 5% 50V    |
| C402     | 1-164-690-91 | CERAMIC CHIP 0.0022MF | 5% 50V    |
| C403     | 1-126-933-11 | ELECT 100MF           | 20% 16V   |
| C404     | 1-126-963-11 | ELECT 4.7MF           | 20% 50V   |
| C405     | 1-126-963-11 | ELECT 4.7MF           | 20% 50V   |
| C406     | 1-163-227-11 | CERAMIC CHIP 10PF     | 0.5PF 50V |
| C407     | 1-164-004-11 | CERAMIC CHIP 0.1MF    | 10% 25V   |
| C408     | 1-163-133-00 | CERAMIC CHIP 470PF    | 5% 50V    |
| C410     | 1-126-933-11 | ELECT 100MF           | 20% 16V   |
| C411     | 1-164-004-11 | CERAMIC CHIP 0.1MF    | 10% 25V   |
| C413     | 1-163-091-00 | CERAMIC CHIP 8PF      | 0.25PF50V |
| C414     | 1-104-664-11 | ELECT 47MF            | 20% 25V   |
| C415     | 1-164-004-11 | CERAMIC CHIP 0.1MF    | 10% 25V   |
| C416     | 1-104-664-11 | ELECT 47MF            | 20% 25V   |
| C417     | 1-104-664-11 | ELECT 47MF            | 20% 25V   |
| C418     | 1-126-964-11 | ELECT 10MF            | 20% 50V   |
| C419     | 1-164-690-91 | CERAMIC CHIP 0.0022MF | 5% 50V    |
| C420     | 1-163-133-00 | CERAMIC CHIP 470PF    | 5% 50V    |
| C421     | 1-104-664-11 | ELECT 47MF            | 20% 25V   |
| C422     | 1-126-933-11 | ELECT 100MF           | 20% 16V   |
| C423     | 1-164-690-91 | CERAMIC CHIP 0.0022MF | 5% 50V    |
| C425     | 1-164-004-11 | CERAMIC CHIP 0.1MF    | 10% 25V   |
| C426     | 1-104-664-11 | ELECT 47MF            | 20% 25V   |
| C427     | 1-126-964-11 | ELECT 10MF            | 20% 50V   |
| C428     | 1-164-004-11 | CERAMIC CHIP 0.1MF    | 10% 25V   |
| C429     | 1-164-004-11 | CERAMIC CHIP 0.1MF    | 10% 25V   |
| C430     | 1-164-004-11 | CERAMIC CHIP 0.1MF    | 10% 25V   |
| C431     | 1-104-760-11 | CERAMIC CHIP 0.047MF  | 10% 50V   |
| C432     | 1-164-004-11 | CERAMIC CHIP 0.1MF    | 10% 25V   |
| C433     | 1-126-963-11 | ELECT 4.7MF           | 20% 50V   |
| C434     | 1-104-664-11 | ELECT 47MF            | 20% 25V   |
| C435     | 1-164-004-11 | CERAMIC CHIP 0.1MF    | 10% 25V   |

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| REF. NO. | PART NO.     | DESCRIPTION  | REMARK   |     |     | REF. NO. | PART NO.     | DESCRIPTION  | REMARK   |     |     |
|----------|--------------|--------------|----------|-----|-----|----------|--------------|--------------|----------|-----|-----|
| C436     | 1-164-004-11 | CERAMIC CHIP | 0.1MF    | 10% | 25V | C820     | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |
| C438     | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V | C821     | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V |
| C439     | 1-126-960-11 | ELECT        | 1MF      | 20% | 50V | C822     | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |
| C440     | 1-126-963-11 | ELECT        | 4.7MF    | 20% | 50V | C823     | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V |
| C442     | 1-130-489-00 | MYLAR        | 0.033MF  | 5%  | 50V | C824     | 1-164-004-11 | CERAMIC CHIP | 0.1MF    | 10% | 25V |
| C443     | 1-130-471-00 | MYLAR        | 0.001MF  | 5%  | 50V | C825     | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |
| C444     | 1-126-963-11 | ELECT        | 4.7MF    | 20% | 50V | C826     | 1-107-823-11 | CERAMIC CHIP | 0.47MF   | 10% | 16V |
| C445     | 1-126-963-11 | ELECT        | 4.7MF    | 20% | 50V | C827     | 1-107-823-11 | CERAMIC CHIP | 0.47MF   | 10% | 16V |
| C447     | 1-130-489-00 | MYLAR        | 0.033MF  | 5%  | 50V | C828     | 1-107-823-11 | CERAMIC CHIP | 0.47MF   | 10% | 16V |
| C448     | 1-130-471-00 | MYLAR        | 0.001MF  | 5%  | 50V | C829     | 1-107-823-11 | CERAMIC CHIP | 0.47MF   | 10% | 16V |
| C450     | 1-126-963-11 | ELECT        | 4.7MF    | 20% | 50V | C830     | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |
| C451     | 1-126-933-11 | ELECT        | 100MF    | 20% | 16V | C831     | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V |
| C456     | 1-126-933-11 | ELECT        | 100MF    | 20% | 16V | C832     | 1-163-235-11 | CERAMIC CHIP | 22PF     | 5%  | 50V |
| C457     | 1-126-767-11 | ELECT        | 1000MF   | 20% | 16V | C833     | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V |
| C458     | 1-164-004-11 | CERAMIC CHIP | 0.1MF    | 10% | 25V | C834     | 1-164-161-11 | CERAMIC CHIP | 0.0022MF | 10% | 50V |
| C459     | 1-164-004-11 | CERAMIC CHIP | 0.1MF    | 10% | 25V | C835     | 1-163-235-11 | CERAMIC CHIP | 22PF     | 5%  | 50V |
| C460     | 1-126-943-11 | ELECT        | 2200MF   | 20% | 25V | C842     | 1-164-004-11 | CERAMIC CHIP | 0.1MF    | 10% | 25V |
| C461     | 1-126-943-11 | ELECT        | 2200MF   | 20% | 25V | C843     | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V |
| C462     | 1-126-964-11 | ELECT        | 10MF     | 20% | 50V | C845     | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |
| C463     | 1-126-964-11 | ELECT        | 10MF     | 20% | 50V | C848     | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |
| C464     | 1-126-933-11 | ELECT        | 100MF    | 20% | 16V | C849     | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V |
| C465     | 1-128-551-11 | ELECT        | 22MF     | 20% | 25V | C850     | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V |
| C466     | 1-128-551-11 | ELECT        | 22MF     | 20% | 25V | C851     | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |
| C467     | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V | C852     | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V |
| C468     | 1-126-964-11 | ELECT        | 10MF     | 20% | 50V | C853     | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |
| C469     | 1-128-551-11 | ELECT        | 22MF     | 20% | 25V | C854     | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |
| C470     | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V | C855     | 1-163-001-11 | CERAMIC CHIP | 220PF    | 10% | 50V |
| C471     | 1-126-963-11 | ELECT        | 4.7MF    | 20% | 50V | C856     | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V |
| C473     | 1-104-665-11 | ELECT        | 100MF    | 20% | 25V | C858     | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |
| C474     | 1-130-495-00 | FILM         | 0.1MF    | 5%  | 50V | C862     | 1-164-004-11 | CERAMIC CHIP | 0.1MF    | 10% | 25V |
| C475     | 1-130-495-00 | FILM         | 0.1MF    | 5%  | 50V | C863     | 1-163-231-11 | CERAMIC CHIP | 15PF     | 5%  | 50V |
| C476     | 1-130-495-00 | FILM         | 0.1MF    | 5%  | 50V | C864     | 1-163-239-11 | CERAMIC CHIP | 33PF     | 5%  | 50V |
| C477     | 1-130-495-00 | FILM         | 0.1MF    | 5%  | 50V | C865     | 1-164-004-11 | CERAMIC CHIP | 0.1MF    | 10% | 25V |
| C681     | 1-126-935-11 | ELECT        | 470MF    | 20% | 16V | C866     | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |
| C682     | 1-163-021-91 | CERAMIC CHIP | 0.01MF   | 10% | 50V | C867     | 1-109-982-11 | CERAMIC CHIP | 1MF      | 10% | 10V |
| C683     | 1-126-935-11 | ELECT        | 470MF    | 20% | 16V | C868     | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |
| C684     | 1-126-933-11 | ELECT        | 100MF    | 20% | 16V | C869     | 1-163-025-11 | CERAMIC CHIP | 0.001MF  |     | 50V |
| C685     | 1-163-021-91 | CERAMIC CHIP | 0.01MF   | 10% | 50V | C870     | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V |
| C686     | 1-163-021-91 | CERAMIC CHIP | 0.01MF   | 10% | 50V | C871     | 1-126-963-11 | ELECT        | 4.7MF    | 20% | 50V |
| C687     | 1-128-551-11 | ELECT        | 22MF     | 20% | 25V | C872     | 1-163-239-11 | CERAMIC CHIP | 33PF     | 5%  | 50V |
| C688     | 1-163-021-91 | CERAMIC CHIP | 0.01MF   | 10% | 50V | C873     | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |
| C801     | 1-163-143-00 | CERAMIC CHIP | 0.0012MF | 5%  | 50V | C875     | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V |
| C802     | 1-163-016-00 | CERAMIC CHIP | 0.0039MF | 10% | 50V | C876     | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |
| C803     | 1-163-016-00 | CERAMIC CHIP | 0.0039MF | 10% | 50V | C877     | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V |
| C804     | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V | C878     | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V |
| C805     | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V | C879     | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V |
| C806     | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V | C880     | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |
| C807     | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V | C881     | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |
| C808     | 1-163-016-00 | CERAMIC CHIP | 0.0039MF | 10% | 50V | C882     | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |
| C809     | 1-163-016-00 | CERAMIC CHIP | 0.0039MF | 10% | 50V | C883     | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V |
| C810     | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V | C884     | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V |
| C811     | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V | C885     | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V |
| C812     | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V | C886     | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V |
| C813     | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V | C887     | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V |
| C816     | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V | C888     | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V |
| C817     | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V | C889     | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |
|          |              |              |          |     |     | C890     | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V |



# KP-48V80/53V80/61V80

RM-Y905 RM-Y905 RM-Y905

A

| REF. NO. | PART NO.     | DESCRIPTION  |          |     |     | REMARK | REF. NO. | PART NO.     | DESCRIPTION  |          |       |     | REMARK |
|----------|--------------|--------------|----------|-----|-----|--------|----------|--------------|--------------|----------|-------|-----|--------|
| C891     | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |        | C1406    | 1-164-489-11 | CERAMIC CHIP | 0.22MF   | 10%   | 16V |        |
| C892     | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V |        |          |              |              |          |       |     |        |
| C893     | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |        | C1407    | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |       | 25V |        |
|          |              |              |          |     |     |        | C1408    | 1-163-251-11 | CERAMIC CHIP | 100PF    | 5%    | 50V |        |
| C894     | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V |        | C1409    | 1-104-664-11 | ELECT        | 47MF     | 20%   | 25V |        |
| C897     | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |        | C1410    | 1-163-017-00 | CERAMIC CHIP | 0.0047MF | 10%   | 50V |        |
| C898     | 1-126-934-11 | ELECT        | 220MF    | 20% | 16V |        | C1411    | 1-164-346-11 | CERAMIC CHIP | 1MF      |       | 16V |        |
| C911     | 1-164-690-91 | CERAMIC CHIP | 0.0022MF | 5%  | 50V |        |          |              |              |          |       |     |        |
| C912     | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V |        | C1412    | 1-164-489-11 | CERAMIC CHIP | 0.22MF   | 10%   | 16V |        |
|          |              |              |          |     |     |        | C1413    | 1-164-005-11 | CERAMIC CHIP | 0.47MF   |       | 16V |        |
| C913     | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V |        | C1414    | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |       | 25V |        |
| C914     | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V |        | C1415    | 1-163-251-11 | CERAMIC CHIP | 100PF    | 5%    | 50V |        |
| C915     | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V |        | C1416    | 1-126-963-11 | ELECT        | 4.7MF    | 20%   | 50V |        |
| C916     | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V |        |          |              |              |          |       |     |        |
| C917     | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V |        | C1417    | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |       | 25V |        |
|          |              |              |          |     |     |        | C1418    | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |       | 25V |        |
| C918     | 1-163-275-11 | CERAMIC CHIP | 0.001MF  | 5%  | 50V |        | C1419    | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |       | 25V |        |
| C919     | 1-163-275-11 | CERAMIC CHIP | 0.001MF  | 5%  | 50V |        | C1420    | 1-163-005-11 | CERAMIC CHIP | 470PF    | 10%   | 50V |        |
| C920     | 1-163-275-11 | CERAMIC CHIP | 0.001MF  | 5%  | 50V |        | C1421    | 1-126-934-11 | ELECT        | 220MF    | 20%   | 16V |        |
| C921     | 1-163-275-11 | CERAMIC CHIP | 0.001MF  | 5%  | 50V |        |          |              |              |          |       |     |        |
| C922     | 1-163-275-11 | CERAMIC CHIP | 0.001MF  | 5%  | 50V |        | C1422    | 1-126-960-11 | ELECT        | 1MF      | 20%   | 50V |        |
|          |              |              |          |     |     |        | C1423    | 1-164-005-11 | CERAMIC CHIP | 0.47MF   |       | 16V |        |
| C923     | 1-163-275-11 | CERAMIC CHIP | 0.001MF  | 5%  | 50V |        | C1424    | 1-163-021-91 | CERAMIC CHIP | 0.01MF   | 10%   | 50V |        |
| C927     | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |        | C1425    | 1-163-017-00 | CERAMIC CHIP | 0.0047MF | 10%   | 50V |        |
| C928     | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |        | C1426    | 1-164-346-11 | CERAMIC CHIP | 1MF      |       | 16V |        |
| C929     | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |        |          |              |              |          |       |     |        |
| C930     | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |        | C1427    | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |       | 25V |        |
|          |              |              |          |     |     |        | C1428    | 1-164-005-11 | CERAMIC CHIP | 0.47MF   |       | 16V |        |
| C931     | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |        | C1429    | 1-163-229-11 | CERAMIC CHIP | 12PF     | 5%    | 50V |        |
| C932     | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |        | C1430    | 1-126-963-11 | ELECT        | 4.7MF    | 20%   | 50V |        |
| C933     | 1-163-017-00 | CERAMIC CHIP | 0.0047MF | 10% | 50V |        | C1431    | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |       | 25V |        |
| C934     | 1-163-017-00 | CERAMIC CHIP | 0.0047MF | 10% | 50V |        |          |              |              |          |       |     |        |
| C935     | 1-163-017-00 | CERAMIC CHIP | 0.0047MF | 10% | 50V |        | C1432    | 1-163-005-11 | CERAMIC CHIP | 470PF    | 10%   | 50V |        |
|          |              |              |          |     |     |        | C1433    | 1-126-934-11 | ELECT        | 220MF    | 20%   | 16V |        |
| C936     | 1-163-017-00 | CERAMIC CHIP | 0.0047MF | 10% | 50V |        | C1434    | 1-126-960-11 | ELECT        | 1MF      | 20%   | 50V |        |
| C937     | 1-163-017-00 | CERAMIC CHIP | 0.0047MF | 10% | 50V |        | C1435    | 1-164-005-11 | CERAMIC CHIP | 0.47MF   |       | 16V |        |
| C938     | 1-163-017-00 | CERAMIC CHIP | 0.0047MF | 10% | 50V |        | C1436    | 1-126-934-11 | ELECT        | 220MF    | 20%   | 16V |        |
| C951     | 1-163-017-00 | CERAMIC CHIP | 0.0047MF | 10% | 50V |        |          |              |              |          |       |     |        |
| C952     | 1-163-017-00 | CERAMIC CHIP | 0.0047MF | 10% | 50V |        | C1437    | 1-163-021-91 | CERAMIC CHIP | 0.01MF   | 10%   | 50V |        |
|          |              |              |          |     |     |        | C1438    | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |       | 25V |        |
| C953     | 1-163-017-00 | CERAMIC CHIP | 0.0047MF | 10% | 50V |        | C1439    | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |       | 25V |        |
| C954     | 1-163-017-00 | CERAMIC CHIP | 0.0047MF | 10% | 50V |        | C1440    | 1-163-229-11 | CERAMIC CHIP | 12PF     | 5%    | 50V |        |
| C955     | 1-163-017-00 | CERAMIC CHIP | 0.0047MF | 10% | 50V |        | C1441    | 1-126-933-11 | ELECT        | 100MF    | 20%   | 16V |        |
| C956     | 1-163-017-00 | CERAMIC CHIP | 0.0047MF | 10% | 50V |        |          |              |              |          |       |     |        |
| C957     | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |        | C1442    | 1-128-551-11 | ELECT        | 22MF     | 20%   | 25V |        |
|          |              |              |          |     |     |        | C1443    | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |       | 25V |        |
| C958     | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |        | C1445    | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |       | 25V |        |
| C959     | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |        | C1446    | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |       | 25V |        |
| C960     | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |        | C1447    | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |       | 25V |        |
| C961     | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |        |          |              |              |          |       |     |        |
| C962     | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |        | C1448    | 1-164-004-11 | CERAMIC CHIP | 0.1MF    | 10%   | 25V |        |
|          |              |              |          |     |     |        | C1449    | 1-164-004-11 | CERAMIC CHIP | 0.1MF    | 10%   | 25V |        |
| C963     | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V |        | C1450    | 1-164-004-11 | CERAMIC CHIP | 0.1MF    | 10%   | 25V |        |
| C964     | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V |        | C1451    | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |       | 25V |        |
| C965     | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V |        | C1452    | 1-126-934-11 | ELECT        | 220MF    | 20%   | 16V |        |
| C966     | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V |        |          |              |              |          |       |     |        |
| C967     | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V |        | C1453    | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |       | 25V |        |
|          |              |              |          |     |     |        | C1454    | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |       | 25V |        |
| C968     | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V |        | C1455    | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |       | 25V |        |
| C969     | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |        | C1457    | 1-164-004-11 | CERAMIC CHIP | 0.1MF    | 10%   | 25V |        |
| C970     | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |        | C1458    | 1-164-004-11 | CERAMIC CHIP | 0.1MF    | 10%   | 25V |        |
| C971     | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V |        |          |              |              |          |       |     |        |
| C1401    | 1-128-551-11 | ELECT        | 22MF     | 20% | 25V |        | C1459    | 1-164-004-11 | CERAMIC CHIP | 0.1MF    | 10%   | 25V |        |
|          |              |              |          |     |     |        | C1460    | 1-164-004-11 | CERAMIC CHIP | 0.1MF    | 10%   | 25V |        |
| C1402    | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |        | C1461    | 1-164-004-11 | CERAMIC CHIP | 0.1MF    | 10%   | 25V |        |
| C1403    | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V |        | C1462    | 1-163-227-11 | CERAMIC CHIP | 10PF     | 0.5PF | 50V |        |
| C1404    | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |        | C1463    | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |       | 25V |        |
| C1405    | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V |        |          |              |              |          |       |     |        |



| REF. NO. | PART NO.     | DESCRIPTION  | REMARK           | REF. NO.    | PART NO.       | DESCRIPTION                   | REMARK           |
|----------|--------------|--------------|------------------|-------------|----------------|-------------------------------|------------------|
| C1464    | 1-163-038-91 | CERAMIC CHIP | 0.1MF 25V        | C1610       | 1-164-004-11   | CERAMIC CHIP                  | 0.1MF 10% 25V    |
| C1465    | 1-163-227-11 | CERAMIC CHIP | 10PF 0.5PF 50V   | C1613       | 1-164-344-11   | CERAMIC CHIP                  | 0.068MF 10% 25V  |
| C1466    | 1-164-004-11 | CERAMIC CHIP | 0.1MF 10% 25V    | C1614       | 1-163-019-00   | CERAMIC CHIP                  | 0.0068MF 10% 50V |
| C1467    | 1-163-038-91 | CERAMIC CHIP | 0.1MF 25V        | C1615       | 1-164-004-11   | CERAMIC CHIP                  | 0.1MF 10% 25V    |
| C1468    | 1-163-038-91 | CERAMIC CHIP | 0.1MF 25V        | C1617       | 1-163-133-00   | CERAMIC CHIP                  | 470PF 5% 50V     |
| C1469    | 1-164-004-11 | CERAMIC CHIP | 0.1MF 10% 25V    | C1618       | 1-164-004-11   | CERAMIC CHIP                  | 0.1MF 10% 25V    |
| C1470    | 1-163-259-91 | CERAMIC CHIP | 220PF 5% 50V     | C1620       | 1-104-664-11   | ELECT                         | 47MF 20% 25V     |
| C1474    | 1-164-004-11 | CERAMIC CHIP | 0.1MF 10% 25V    | <CONNECTOR> |                |                               |                  |
| C1475    | 1-164-004-11 | CERAMIC CHIP | 0.1MF 10% 25V    | CN001       | * 1-564-507-11 | PLUG, CONNECTOR 4P            |                  |
| C1476    | 1-163-038-91 | CERAMIC CHIP | 0.1MF 25V        | CN002       | * 1-564-513-11 | PLUG, CONNECTOR 10P           |                  |
| C1477    | 1-163-038-91 | CERAMIC CHIP | 0.1MF 25V        | CN003       | 1-573-979-21   | CONNECTOR, BOARD TO BOARD 11P |                  |
| C1479    | 1-164-346-11 | CERAMIC CHIP | 1MF 16V          | CN004       | 1-573-298-21   | CONNECTOR, BOARD TO BOARD 20P |                  |
| C1480    | 1-164-346-11 | CERAMIC CHIP | 1MF 16V          | CN151       | 1-695-915-11   | TAB (CONTACT)                 |                  |
| C1481    | 1-126-933-11 | ELECT        | 100MF 20% 16V    | CN201       | 1-573-298-21   | CONNECTOR, BOARD TO BOARD 20P |                  |
| C1483    | 1-163-038-91 | CERAMIC CHIP | 0.1MF 25V        | CN202       | * 1-779-892-11 | CONNECTOR, BOARD TO BOARD 10P |                  |
| C1484    | 1-163-038-91 | CERAMIC CHIP | 0.1MF 25V        | CN203       | * 1-564-509-11 | PLUG, CONNECTOR 6P            |                  |
| C1486    | 1-163-038-91 | CERAMIC CHIP | 0.1MF 25V        | CN204       | * 1-564-512-11 | PLUG, CONNECTOR 9P            |                  |
| C1487    | 1-126-964-11 | ELECT        | 10MF 20% 50V     | CN205       | 1-695-915-11   | TAB (CONTACT)                 |                  |
| C1488    | 1-163-038-91 | CERAMIC CHIP | 0.1MF 25V        | CN401       | 1-573-298-21   | CONNECTOR, BOARD TO BOARD 20P |                  |
| C1489    | 1-164-346-11 | CERAMIC CHIP | 1MF 16V          | CN402       | * 1-779-892-11 | CONNECTOR, BOARD TO BOARD 10P |                  |
| C1490    | 1-163-038-91 | CERAMIC CHIP | 0.1MF 25V        | CN403       | * 1-564-507-11 | PLUG, CONNECTOR 4P            |                  |
| C1491    | 1-164-346-11 | CERAMIC CHIP | 1MF 16V          | CN681       | * 1-779-892-11 | CONNECTOR, BOARD TO BOARD 10P |                  |
| C1492    | 1-164-346-11 | CERAMIC CHIP | 1MF 16V          | CN801       | * 1-779-892-11 | CONNECTOR, BOARD TO BOARD 10P |                  |
| C1493    | 1-164-346-11 | CERAMIC CHIP | 1MF 16V          | CN802       | * 1-564-511-11 | PLUG, CONNECTOR 8P            |                  |
| C1494    | 1-104-664-11 | ELECT        | 47MF 20% 25V     | <DIODE>     |                |                               |                  |
| C1496    | 1-163-038-91 | CERAMIC CHIP | 0.1MF 25V        | D001        | 8-719-988-61   | DIODE 1SS355TE-17             |                  |
| C1497    | 1-163-038-91 | CERAMIC CHIP | 0.1MF 25V        | D002        | 8-719-988-61   | DIODE 1SS355TE-17             |                  |
| C1499    | 1-163-259-91 | CERAMIC CHIP | 220PF 5% 50V     | D003        | 8-719-988-61   | DIODE 1SS355TE-17             |                  |
| C1500    | 1-163-038-91 | CERAMIC CHIP | 0.1MF 25V        | D004        | 8-719-069-55   | DIODE UDZS-TE17-5.6B          |                  |
| C1501    | 1-104-664-11 | ELECT        | 47MF 20% 25V     | D005        | 8-719-988-61   | DIODE 1SS355TE-17             |                  |
| C1504    | 1-126-964-11 | ELECT        | 10MF 20% 50V     | D006        | 8-719-069-55   | DIODE UDZS-TE17-5.6B          |                  |
| C1506    | 1-104-664-11 | ELECT        | 47MF 20% 25V     | D151        | 8-719-977-81   | DIODE DTZ33B                  |                  |
| C1507    | 1-104-664-11 | ELECT        | 47MF 20% 25V     | D201        | 8-719-988-61   | DIODE 1SS355TE-17             |                  |
| C1508    | 1-164-004-11 | CERAMIC CHIP | 0.1MF 10% 25V    | D202        | 8-719-977-28   | DIODE DTZ10B                  |                  |
| C1510    | 1-163-245-11 | CERAMIC CHIP | 56PF 5% 50V      | D204        | 8-719-069-55   | DIODE UDZS-TE17-5.6B          |                  |
| C1511    | 1-164-004-11 | CERAMIC CHIP | 0.1MF 10% 25V    | D205        | 8-719-069-55   | DIODE UDZS-TE17-5.6B          |                  |
| C1512    | 1-164-004-11 | CERAMIC CHIP | 0.1MF 10% 25V    | D206        | 8-719-988-61   | DIODE 1SS355TE-17             |                  |
| C1513    | 1-163-038-91 | CERAMIC CHIP | 0.1MF 25V        | D207        | 8-719-988-61   | DIODE 1SS355TE-17             |                  |
| C1514    | 1-163-038-91 | CERAMIC CHIP | 0.1MF 25V        | D208        | 8-719-976-96   | DIODE DTZ4.7C                 |                  |
| C1515    | 1-164-004-11 | CERAMIC CHIP | 0.1MF 10% 25V    | D209        | 8-719-988-61   | DIODE 1SS355TE-17             |                  |
| C1516    | 1-163-038-91 | CERAMIC CHIP | 0.1MF 25V        | D301        | 8-719-988-61   | DIODE 1SS355TE-17             |                  |
| C1518    | 1-104-664-11 | ELECT        | 47MF 20% 25V     | D302        | 8-719-988-61   | DIODE 1SS355TE-17             |                  |
| C1520    | 1-164-004-11 | CERAMIC CHIP | 0.1MF 10% 25V    | D303        | 8-719-988-61   | DIODE 1SS355TE-17             |                  |
| C1521    | 1-126-933-11 | ELECT        | 100MF 20% 16V    | D304        | 8-719-977-28   | DIODE DTZ10B                  |                  |
| C1522    | 1-126-933-11 | ELECT        | 100MF 20% 16V    | D305        | 8-719-977-28   | DIODE DTZ10B                  |                  |
| C1523    | 1-164-004-11 | CERAMIC CHIP | 0.1MF 10% 25V    | D402        | 8-719-988-61   | DIODE 1SS355TE-17             |                  |
| C1524    | 1-164-004-11 | CERAMIC CHIP | 0.1MF 10% 25V    | D403        | 8-719-988-61   | DIODE 1SS355TE-17             |                  |
| C1525    | 1-163-021-91 | CERAMIC CHIP | 0.01MF 10% 50V   | D404        | 8-719-988-61   | DIODE 1SS355TE-17             |                  |
| C1526    | 1-126-964-11 | ELECT        | 10MF 20% 50V     | D405        | 8-719-988-61   | DIODE 1SS355TE-17             |                  |
| C1529    | 1-163-021-91 | CERAMIC CHIP | 0.01MF 10% 50V   | D406        | 8-719-056-95   | DIODE UDZ-TE-17-22B           |                  |
| C1601    | 1-164-004-11 | CERAMIC CHIP | 0.1MF 10% 25V    | D407        | 8-719-988-61   | DIODE 1SS355TE-17             |                  |
| C1602    | 1-163-133-00 | CERAMIC CHIP | 470PF 5% 50V     | D408        | 8-719-988-61   | DIODE 1SS355TE-17             |                  |
| C1603    | 1-164-344-11 | CERAMIC CHIP | 0.068MF 10% 25V  | D409        | 8-719-988-61   | DIODE 1SS355TE-17             |                  |
| C1604    | 1-163-019-00 | CERAMIC CHIP | 0.0068MF 10% 50V |             |                |                               |                  |
| C1605    | 1-164-004-11 | CERAMIC CHIP | 0.1MF 10% 25V    |             |                |                               |                  |
| C1607    | 1-164-004-11 | CERAMIC CHIP | 0.1MF 10% 25V    |             |                |                               |                  |
| C1608    | 1-163-239-11 | CERAMIC CHIP | 33PF 5% 50V      |             |                |                               |                  |

# KP-48V80/53V80/61V80

RM-Y905 RM-Y905 RM-Y905

A

| REF. NO. | PART NO.     | DESCRIPTION          | REMARK | REF. NO. | PART NO.     | DESCRIPTION            | REMARK |
|----------|--------------|----------------------|--------|----------|--------------|------------------------|--------|
| D410     | 8-719-056-95 | DIODE UDZ-TE-17-22B  |        | FB801    | 1-414-135-11 | FERRITE 0UH            |        |
| D411     | 8-719-056-95 | DIODE UDZ-TE-17-22B  |        | FB802    | 1-414-135-11 | FERRITE 0UH            |        |
| D412     | 8-719-056-95 | DIODE UDZ-TE-17-22B  |        | FB803    | 1-414-135-11 | FERRITE 0UH            |        |
| D413     | 8-719-056-95 | DIODE UDZ-TE-17-22B  |        | FB804    | 1-414-135-11 | FERRITE 0UH            |        |
| D414     | 8-719-056-95 | DIODE UDZ-TE-17-22B  |        | FB805    | 1-414-135-11 | FERRITE 0UH            |        |
| D415     | 8-719-056-95 | DIODE UDZ-TE-17-22B  |        | FB806    | 1-414-135-11 | FERRITE 0UH            |        |
| D416     | 8-719-988-61 | DIODE 1SS355TE-17    |        | FB807    | 1-414-135-11 | FERRITE 0UH            |        |
| D417     | 8-719-988-61 | DIODE 1SS355TE-17    |        | FB808    | 1-414-135-11 | FERRITE 0UH            |        |
| D418     | 8-719-056-95 | DIODE UDZ-TE-17-22B  |        | FB1401   | 1-414-135-11 | FERRITE 0UH            |        |
| D420     | 8-719-988-61 | DIODE 1SS355TE-17    |        | FB1402   | 1-414-135-11 | FERRITE 0UH            |        |
| D421     | 8-719-988-61 | DIODE 1SS355TE-17    |        | FB1403   | 1-414-135-11 | FERRITE 0UH            |        |
| D801     | 8-719-988-61 | DIODE 1SS355TE-17    |        | FB1404   | 1-414-135-11 | FERRITE 0UH            |        |
| D802     | 8-719-988-61 | DIODE 1SS355TE-17    |        | FB1405   | 1-414-135-11 | FERRITE 0UH            |        |
| D803     | 8-719-988-61 | DIODE 1SS355TE-17    |        | FB1406   | 1-414-135-11 | FERRITE 0UH            |        |
| D804     | 8-719-988-61 | DIODE 1SS355TE-17    |        | FB1407   | 1-414-135-11 | FERRITE 0UH            |        |
| D805     | 8-719-069-55 | DIODE UDZS-TE17-5.6B |        | FB1408   | 1-414-135-11 | FERRITE 0UH            |        |
| D806     | 8-719-069-55 | DIODE UDZS-TE17-5.6B |        | FB1409   | 1-414-135-11 | FERRITE 0UH            |        |
| D807     | 8-719-069-55 | DIODE UDZS-TE17-5.6B |        | FB1410   | 1-414-135-11 | FERRITE 0UH            |        |
| D808     | 8-719-069-55 | DIODE UDZS-TE17-5.6B |        | FB1411   | 1-414-135-11 | FERRITE 0UH            |        |
| D809     | 8-719-988-61 | DIODE 1SS355TE-17    |        | FB1412   | 1-414-135-11 | FERRITE 0UH            |        |
| D810     | 8-719-988-61 | DIODE 1SS355TE-17    |        | FB1413   | 1-414-135-11 | FERRITE 0UH            |        |
| D816     | 8-719-988-61 | DIODE 1SS355TE-17    |        | FB1414   | 1-414-135-11 | FERRITE 0UH            |        |
| D817     | 8-719-988-61 | DIODE 1SS355TE-17    |        |          |              |                        |        |
| D818     | 8-719-988-61 | DIODE 1SS355TE-17    |        |          |              | <FILTER>               |        |
| D819     | 8-719-988-61 | DIODE 1SS355TE-17    |        | FL201    | 1-239-847-11 | FILTER, LOW PASS       |        |
| D820     | 8-719-988-61 | DIODE 1SS355TE-17    |        | FL202    | 1-239-847-11 | FILTER, LOW PASS       |        |
| D821     | 8-719-988-61 | DIODE 1SS355TE-17    |        | FL203    | 1-239-847-11 | FILTER, LOW PASS       |        |
| D822     | 8-719-988-61 | DIODE 1SS355TE-17    |        | FL401    | 1-239-803-11 | ENCAPSULATED COMPONENT |        |
| D823     | 8-719-988-61 | DIODE 1SS355TE-17    |        |          |              |                        |        |
| D824     | 8-719-988-61 | DIODE 1SS355TE-17    |        |          |              | <IC>                   |        |
| D1407    | 8-719-988-61 | DIODE 1SS355TE-17    |        | IC001    | 8-759-352-91 | IC PST9143NL           |        |
| D1408    | 8-719-988-61 | DIODE 1SS355TE-17    |        | IC002    | 8-752-909-31 | IC CXP750010-010Q      |        |
| D1409    | 8-719-988-61 | DIODE 1SS355TE-17    |        | IC004    | 8-759-527-76 | IC M24C08-MN6T         |        |
| D1410    | 8-719-988-61 | DIODE 1SS355TE-17    |        | IC202    | 8-759-568-27 | IC MSM514265C-60JSDR1  |        |
|          |              |                      |        | IC203    | 8-759-161-24 | IC UPC659AGS-E2        |        |
|          |              | <FERRITEBEAD>        |        | IC204    | 8-759-536-12 | IC UPD64081BGF-3BA     |        |
| FB001    | 1-414-135-11 | FERRITE 0UH          |        | IC205    | 8-759-591-79 | IC UPC2933T-E1         |        |
| FB151    | 1-414-135-11 | FERRITE 0UH          |        | IC206    | 8-752-091-25 | IC CXA2147Q            |        |
| FB152    | 1-414-135-11 | FERRITE 0UH          |        | IC401    | 8-759-549-74 | IC TC9447F-003         |        |
| FB202    | 1-414-135-11 | FERRITE 0UH          |        | IC402    | 8-759-352-91 | IC PST9143NL           |        |
| FB203    | 1-414-135-11 | FERRITE 0UH          |        | IC403    | 8-759-578-88 | IC BH3868FS-E2         |        |
| FB204    | 1-414-135-11 | FERRITE 0UH          |        | IC404    | 8-759-100-96 | IC UPC4558G2           |        |
| FB205    | 1-414-135-11 | FERRITE 0UH          |        | IC406    | 8-759-190-89 | IC TDA7265             |        |
| FB206    | 1-216-295-91 | SHORT 0              |        | IC681    | 8-759-459-99 | IC PQ09RD11            |        |
| FB207    | 1-216-295-91 | SHORT 0              |        | IC682    | 8-759-459-99 | IC PQ09RD11            |        |
| FB209    | 1-216-295-91 | SHORT 0              |        | IC801    | 8-759-488-29 | IC TC7W66FU(TE12R)     |        |
| FB210    | 1-414-135-11 | FERRITE 0UH          |        | IC802    | 8-759-394-80 | IC NJM2058M-TE2        |        |
| FB211    | 1-414-135-11 | FERRITE 0UH          |        | IC803    | 8-759-589-66 | IC CM0006CF            |        |
| FB212    | 1-216-295-91 | SHORT 0              |        | IC804    | 8-759-394-80 | IC NJM2058M-TE2        |        |
| FB213    | 1-414-135-11 | FERRITE 0UH          |        | IC805    | 8-752-906-76 | IC CXP86324-021Q       |        |
| FB214    | 1-414-135-11 | FERRITE 0UH          |        | IC806    | 8-759-394-80 | IC NJM2058M-TE2        |        |
| FB215    | 1-216-295-91 | SHORT 0              |        | IC807    | 8-759-546-22 | IC UPD6376GS-E2        |        |
| FB216    | 1-216-295-91 | SHORT 0              |        | IC808    | 8-759-032-11 | IC MC74HC04AF          |        |
| FB217    | 1-216-295-91 | SHORT 0              |        | IC809    | 8-759-295-09 | IC TLC2932IPW          |        |
| FB301    | 1-216-295-91 | SHORT 0              |        | IC810    | 8-759-468-90 | IC ST24E16FM6TR        |        |
| FB401    | 1-414-135-11 | FERRITE 0UH          |        |          |              |                        |        |



| REF. NO. | PART NO.     | DESCRIPTION         | REMARK | REF. NO. | PART NO.     | DESCRIPTION  | REMARK         |
|----------|--------------|---------------------|--------|----------|--------------|--------------|----------------|
| IC811    | 8-759-352-91 | IC PST9143NL        |        | L816     | 1-414-183-41 | INDUCTOR     | 10UH           |
| IC812    | 8-759-235-19 | IC TC74HC08AF(EL)   |        | L823     | 1-414-858-31 | INDUCTOR     | 1MMH           |
| IC814    | 8-759-032-20 | IC MC74HC32AF       |        |          |              |              |                |
| IC815    | 8-759-546-22 | IC UPD6376GS-E2     |        | L824     | 1-414-858-31 | INDUCTOR     | 1MMH           |
| IC816    | 8-759-546-22 | IC UPD6376GS-E2     |        | L825     | 1-414-858-31 | INDUCTOR     | 1MMH           |
|          |              |                     |        | L826     | 1-414-858-31 | INDUCTOR     | 1MMH           |
| IC817    | 8-759-546-22 | IC UPD6376GS-E2     |        | L827     | 1-414-858-31 | INDUCTOR     | 1MMH           |
| IC818    | 8-759-100-96 | IC UPC4558G2        |        | L828     | 1-414-858-31 | INDUCTOR     | 1MMH           |
| IC819    | 8-759-106-02 | IC UPC4570G2        |        |          |              |              |                |
| IC820    | 8-759-106-02 | IC UPC4570G2        |        | L829     | 1-414-183-41 | INDUCTOR     | 10UH           |
| IC821    | 8-759-106-02 | IC UPC4570G2        |        | L830     | 1-407-495-00 | INDUCTOR     | 1.8MMH         |
|          |              |                     |        | L831     | 1-407-495-00 | INDUCTOR     | 1.8MMH         |
| IC822    | 8-759-106-02 | IC UPC4570G2        |        | L832     | 1-407-495-00 | INDUCTOR     | 1.8MMH         |
| IC823    | 8-759-106-02 | IC UPC4570G2        |        | L833     | 1-407-495-00 | INDUCTOR     | 1.8MMH         |
| IC824    | 8-759-106-02 | IC UPC4570G2        |        |          |              |              |                |
| IC1401   | 8-759-351-59 | IC UC528257J-80(EL) |        | L834     | 1-407-495-00 | INDUCTOR     | 1.8MMH         |
| IC1402   | 8-752-086-80 | IC CXA2019AQ-T4     |        | L835     | 1-407-495-00 | INDUCTOR     | 1.8MMH         |
|          |              |                     |        | L843     | 1-414-183-41 | INDUCTOR     | 10UH           |
| IC1403   | 8-752-086-80 | IC CXA2019AQ-T4     |        | L1401    | 1-414-187-11 | INDUCTOR     | 47UH           |
| IC1404   | 8-759-932-69 | IC BU4053BCF-T2     |        | L1402    | 1-414-187-11 | INDUCTOR     | 47UH           |
| IC1405   | 8-759-498-32 | IC SAB9076H/N4      |        |          |              |              |                |
| IC1406   | 8-759-932-69 | IC BU4053BCF-T2     |        | L1403    | 1-414-187-11 | INDUCTOR     | 47UH           |
| IC1407   | 8-752-080-75 | IC CXA2039M-T6      |        | L1404    | 1-414-187-11 | INDUCTOR     | 47UH           |
|          |              |                     |        | L1405    | 1-414-187-11 | INDUCTOR     | 47UH           |
| IC1408   | 8-759-926-17 | IC SN74HC153ANS     |        | L1406    | 1-414-187-11 | INDUCTOR     | 47UH           |
| IC1409   | 8-752-058-68 | IC CXA1315M         |        | L1407    | 1-414-187-11 | INDUCTOR     | 47UH           |
| IC1410   | 8-759-353-02 | IC NJM2533M(TE2)    |        |          |              |              |                |
| IC1412   | 8-759-352-91 | IC PST9143NL        |        | L1408    | 1-414-187-11 | INDUCTOR     | 47UH           |
| IC1601   | 8-759-638-04 | IC Z8622912SSC-00TR |        | L1409    | 1-414-187-11 | INDUCTOR     | 47UH           |
|          |              |                     |        | L1410    | 1-414-187-11 | INDUCTOR     | 47UH           |
| IC1602   | 8-759-638-05 | IC Z8613012SSC-00TR |        | L1411    | 1-414-187-11 | INDUCTOR     | 47UH           |
|          |              |                     |        | L1412    | 1-414-187-11 | INDUCTOR     | 47UH           |
|          |              |                     |        |          |              |              |                |
|          |              | <COIL>              |        |          |              | <ICLINK>     |                |
| L001     | 1-414-183-41 | INDUCTOR            | 10UH   | PS401    | 1-532-984-11 | LINK, IC     | 2A/90V         |
| L004     | 1-414-189-31 | INDUCTOR            | 100UH  | PS402    | 1-532-984-11 | LINK, IC     | 2A/90V         |
| L151     | 1-414-187-11 | INDUCTOR            | 47UH   |          |              |              |                |
| L152     | 1-414-187-11 | INDUCTOR            | 47UH   |          |              |              |                |
| L153     | 1-414-187-11 | INDUCTOR            | 47UH   |          |              |              |                |
|          |              |                     |        |          |              |              |                |
|          |              |                     |        |          |              | <TRANSISTOR> |                |
| L154     | 1-414-183-41 | INDUCTOR            | 10UH   | Q001     | 8-729-216-22 | TRANSISTOR   | 2SA1162-G      |
| L155     | 1-414-187-11 | INDUCTOR            | 47UH   | Q002     | 8-729-422-27 | TRANSISTOR   | 2SD601A-Q      |
| L201     | 1-414-187-11 | INDUCTOR            | 47UH   | Q003     | 8-729-027-38 | TRANSISTOR   | DTA144EKA-T146 |
| L203     | 1-414-187-11 | INDUCTOR            | 47UH   | Q004     | 8-729-216-22 | TRANSISTOR   | 2SA1162-G      |
| L204     | 1-414-187-11 | INDUCTOR            | 47UH   | Q005     | 8-729-027-38 | TRANSISTOR   | DTA144EKA-T146 |
|          |              |                     |        |          |              |              |                |
| L205     | 1-414-187-11 | INDUCTOR            | 47UH   | Q006     | 8-729-027-38 | TRANSISTOR   | DTA144EKA-T146 |
| L206     | 1-414-183-41 | INDUCTOR            | 10UH   | Q007     | 1-801-806-11 | TRANSISTOR   | DTC144EKA-T146 |
| L207     | 1-414-183-41 | INDUCTOR            | 10UH   | Q008     | 8-729-422-27 | TRANSISTOR   | 2SD601A-Q      |
| L208     | 1-414-187-11 | INDUCTOR            | 47UH   | Q009     | 8-729-422-27 | TRANSISTOR   | 2SD601A-Q      |
| L209     | 1-414-187-11 | INDUCTOR            | 47UH   | Q010     | 8-729-422-27 | TRANSISTOR   | 2SD601A-Q      |
|          |              |                     |        |          |              |              |                |
| L210     | 1-414-187-11 | INDUCTOR            | 47UH   | Q011     | 8-729-422-27 | TRANSISTOR   | 2SD601A-Q      |
| L211     | 1-414-857-11 | INDUCTOR            | 100UH  | Q012     | 8-729-422-27 | TRANSISTOR   | 2SD601A-Q      |
| L212     | 1-414-856-11 | INDUCTOR            | 10UH   | Q013     | 8-729-422-27 | TRANSISTOR   | 2SD601A-Q      |
| L213     | 1-414-183-41 | INDUCTOR            | 10UH   | Q014     | 8-729-422-27 | TRANSISTOR   | 2SD601A-Q      |
| L302     | 1-414-187-11 | INDUCTOR            | 47UH   | Q015     | 8-729-422-27 | TRANSISTOR   | 2SD601A-Q      |
|          |              |                     |        |          |              |              |                |
| L401     | 1-414-187-11 | INDUCTOR            | 47UH   | Q016     | 8-729-422-27 | TRANSISTOR   | 2SD601A-Q      |
| L402     | 1-414-183-41 | INDUCTOR            | 10UH   | Q017     | 8-729-422-27 | TRANSISTOR   | 2SD601A-Q      |
| L681     | 1-406-975-21 | INDUCTOR            | 47UH   | Q018     | 8-729-422-27 | TRANSISTOR   | 2SD601A-Q      |
| L801     | 1-414-183-41 | INDUCTOR            | 10UH   | Q019     | 8-729-422-27 | TRANSISTOR   | 2SD601A-Q      |
| L802     | 1-414-183-41 | INDUCTOR            | 10UH   | Q020     | 8-729-422-27 | TRANSISTOR   | 2SD601A-Q      |
|          |              |                     |        |          |              |              |                |
| L803     | 1-414-183-41 | INDUCTOR            | 10UH   | Q021     | 8-729-422-27 | TRANSISTOR   | 2SD601A-Q      |
| L804     | 1-414-183-41 | INDUCTOR            | 10UH   | Q022     | 8-729-422-27 | TRANSISTOR   | 2SD601A-Q      |
| L809     | 1-414-183-41 | INDUCTOR            | 10UH   |          |              |              |                |

RM-Y905 RM-Y905 RM-Y905

| REF. NO. | PART NO.     | DESCRIPTION | REMARK         | REF. NO. | PART NO.     | DESCRIPTION | REMARK        |
|----------|--------------|-------------|----------------|----------|--------------|-------------|---------------|
| Q023     | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q      | Q806     | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q     |
| Q024     | 1-801-806-11 | TRANSISTOR  | DTC144EKA-T146 | Q807     | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q     |
| Q151     | 1-801-806-11 | TRANSISTOR  | DTC144EKA-T146 | Q808     | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q     |
| Q152     | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q      | Q809     | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q     |
| Q153     | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q      | Q811     | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q     |
| Q201     | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q      | Q812     | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q     |
| Q202     | 8-729-216-22 | TRANSISTOR  | 2SA1162-G      | Q813     | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q     |
| Q203     | 8-729-216-22 | TRANSISTOR  | 2SA1162-G      | Q814     | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q     |
| Q204     | 8-729-216-22 | TRANSISTOR  | 2SA1162-G      | Q1402    | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q     |
| Q205     | 8-729-216-22 | TRANSISTOR  | 2SA1162-G      | Q1403    | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q     |
| Q206     | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q      | Q1405    | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q     |
| Q207     | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q      | Q1406    | 8-729-216-22 | TRANSISTOR  | 2SA1162-G     |
| Q208     | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q      | Q1407    | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q     |
| Q209     | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q      | Q1408    | 8-729-216-22 | TRANSISTOR  | 2SA1162-G     |
| Q210     | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q      | Q1409    | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q     |
| Q211     | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q      | Q1410    | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q     |
| Q212     | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q      | Q1411    | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q     |
| Q213     | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q      | Q1412    | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q     |
| Q214     | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q      | Q1413    | 8-729-216-22 | TRANSISTOR  | 2SA1162-G     |
| Q215     | 8-729-216-22 | TRANSISTOR  | 2SA1162-G      | Q1414    | 8-729-216-22 | TRANSISTOR  | 2SA1162-G     |
| Q216     | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q      | Q1415    | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q     |
| Q217     | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q      | Q1416    | 8-729-216-22 | TRANSISTOR  | 2SA1162-G     |
| Q218     | 8-729-216-22 | TRANSISTOR  | 2SA1162-G      | Q1417    | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q     |
| Q219     | 8-729-216-22 | TRANSISTOR  | 2SA1162-G      | Q1418    | 8-729-216-22 | TRANSISTOR  | 2SA1162-G     |
| Q220     | 8-729-216-22 | TRANSISTOR  | 2SA1162-G      | Q1419    | 8-729-216-22 | TRANSISTOR  | 2SA1162-G     |
| Q221     | 8-729-216-22 | TRANSISTOR  | 2SA1162-G      | Q1420    | 8-729-216-22 | TRANSISTOR  | 2SA1162-G     |
| Q222     | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q      | Q1422    | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q     |
| Q223     | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q      | Q1423    | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q     |
| Q224     | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q      | Q1424    | 8-729-216-22 | TRANSISTOR  | 2SA1162-G     |
| Q225     | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q      | Q1601    | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q     |
| Q226     | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q      | Q1602    | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q     |
| Q227     | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q      | Q1603    | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q     |
| Q228     | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q      |          |              |             |               |
| Q229     | 8-729-216-22 | TRANSISTOR  | 2SA1162-G      |          |              |             |               |
| Q230     | 8-729-216-22 | TRANSISTOR  | 2SA1162-G      |          |              | <RESISTOR>  |               |
| Q231     | 8-729-216-22 | TRANSISTOR  | 2SA1162-G      | R001     | 1-216-073-00 | RES,CHIP    | 10K 5% 1/10W  |
| Q232     | 8-729-216-22 | TRANSISTOR  | 2SA1162-G      | R002     | 1-216-057-00 | RES,CHIP    | 2.2K 5% 1/10W |
| Q301     | 8-729-216-22 | TRANSISTOR  | 2SA1162-G      | R003     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W   |
| Q302     | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q      | R004     | 1-216-121-91 | RES,CHIP    | 1M 5% 1/10W   |
| Q303     | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q      | R005     | 1-216-097-91 | RES,CHIP    | 100K 5% 1/10W |
| Q304     | 8-729-422-27 | TRANSISTOR  | 2SD601A-Q      |          |              |             |               |
| Q401     | 8-729-216-22 | TRANSISTOR  | 2SA1162-G      | R006     | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W  |
| Q402     | 8-729-216-22 | TRANSISTOR  | 2SA1162-G      | R007     | 1-2          |             |               |





| REF. NO. | PART NO.     | DESCRIPTION | REMARK        | REF. NO. | PART NO.     | DESCRIPTION | REMARK          |
|----------|--------------|-------------|---------------|----------|--------------|-------------|-----------------|
| R022     | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W  | R088     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W    |
| R023     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W   | R089     | 1-216-055-00 | RES,CHIP    | 1.8K 5% 1/10W   |
| R024     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W  | R090     | 1-216-113-00 | RES,CHIP    | 470K 5% 1/10W   |
| R025     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W  | R091     | 1-216-017-91 | RES,CHIP    | 47 5% 1/10W     |
| R026     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W  | R092     | 1-216-113-00 | RES,CHIP    | 470K 5% 1/10W   |
| R027     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W  | R093     | 1-216-017-91 | RES,CHIP    | 47 5% 1/10W     |
| R028     | 1-216-065-91 | RES,CHIP    | 4.7K 5% 1/10W | R094     | 1-216-113-00 | RES,CHIP    | 470K 5% 1/10W   |
| R029     | 1-216-065-91 | RES,CHIP    | 4.7K 5% 1/10W | R095     | 1-216-017-91 | RES,CHIP    | 47 5% 1/10W     |
| R030     | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W  | R096     | 1-216-055-00 | RES,CHIP    | 1.8K 5% 1/10W   |
| R031     | 1-216-037-00 | RES,CHIP    | 330 5% 1/10W  | R097     | 1-216-055-00 | RES,CHIP    | 1.8K 5% 1/10W   |
| R032     | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W  | R099     | 1-216-043-91 | RES,CHIP    | 560 5% 1/10W    |
| R033     | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W  | R100     | 1-216-043-91 | RES,CHIP    | 560 5% 1/10W    |
| R034     | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W  | R101     | 1-216-043-91 | RES,CHIP    | 560 5% 1/10W    |
| R035     | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W  | R102     | 1-216-113-00 | RES,CHIP    | 470K 5% 1/10W   |
| R036     | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W  | R103     | 1-216-113-00 | RES,CHIP    | 470K 5% 1/10W   |
| R037     | 1-216-057-00 | RES,CHIP    | 2.2K 5% 1/10W | R104     | 1-216-113-00 | RES,CHIP    | 470K 5% 1/10W   |
| R038     | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W  | R105     | 1-216-017-91 | RES,CHIP    | 47 5% 1/10W     |
| R039     | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W  | R106     | 1-216-017-91 | RES,CHIP    | 47 5% 1/10W     |
| R040     | 1-216-057-00 | RES,CHIP    | 2.2K 5% 1/10W | R107     | 1-216-017-91 | RES,CHIP    | 47 5% 1/10W     |
| R041     | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W  | R108     | 1-216-113-00 | RES,CHIP    | 470K 5% 1/10W   |
| R042     | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W  | R109     | 1-216-113-00 | RES,CHIP    | 470K 5% 1/10W   |
| R043     | 1-216-057-00 | RES,CHIP    | 2.2K 5% 1/10W | R110     | 1-208-776-11 | RES,CHIP    | 560 0.50% 1/10W |
| R044     | 1-216-121-91 | RES,CHIP    | 1M 5% 1/10W   | R111     | 1-208-776-11 | RES,CHIP    | 560 0.50% 1/10W |
| R045     | 1-216-097-91 | RES,CHIP    | 100K 5% 1/10W | R112     | 1-208-776-11 | RES,CHIP    | 560 0.50% 1/10W |
| R046     | 1-216-073-00 | RES,CHIP    | 10K 5% 1/10W  | R113     | 1-216-113-00 | RES,CHIP    | 470K 5% 1/10W   |
| R047     | 1-216-073-00 | RES,CHIP    | 10K 5% 1/10W  | R114     | 1-216-043-91 | RES,CHIP    | 560 5% 1/10W    |
| R048     | 1-216-065-91 | RES,CHIP    | 4.7K 5% 1/10W | R115     | 1-216-043-91 | RES,CHIP    | 560 5% 1/10W    |
| R049     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W   | R116     | 1-216-043-91 | RES,CHIP    | 560 5% 1/10W    |
| R050     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W   | R117     | 1-216-295-91 | SHORT       | 0               |
| R051     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W   | R118     | 1-216-053-00 | RES,CHIP    | 1.5K 5% 1/10W   |
| R052     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W   | R119     | 1-216-053-00 | RES,CHIP    | 1.5K 5% 1/10W   |
| R053     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W   | R120     | 1-216-061-91 | RES,CHIP    | 3.3K 5% 1/10W   |
| R054     | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W  | R121     | 1-216-057-00 | RES,CHIP    | 2.2K 5% 1/10W   |
| R055     | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W  | R122     | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W    |
| R056     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W   | R123     | 1-216-017-91 | RES,CHIP    | 47 5% 1/10W     |
| R057     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W   | R124     | 1-216-017-91 | RES,CHIP    | 47 5% 1/10W     |
| R059     | 1-216-089-91 | RES,CHIP    | 47K 5% 1/10W  | R125     | 1-216-017-91 | RES,CHIP    | 47 5% 1/10W     |
| R060     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W   | R126     | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W    |
| R061     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W  | R127     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W    |
| R062     | 1-216-065-91 | RES,CHIP    | 4.7K 5% 1/10W | R128     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W    |
| R063     | 1-216-065-91 | RES,CHIP    | 4.7K 5% 1/10W | R129     | 1-216-073-00 | RES,CHIP    | 10K 5% 1/10W    |
| R064     | 1-216-065-91 | RES,CHIP    | 4.7K 5% 1/10W | R130     | 1-216-073-00 | RES,CHIP    | 10K 5% 1/10W    |
| R066     | 1-216-065-91 | RES,CHIP    | 4.7K 5% 1/10W | R131     | 1-216-073-00 | RES,CHIP    | 10K 5% 1/10W    |
| R068     | 1-216-065-91 | RES,CHIP    | 4.7K 5% 1/10W | R151     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W    |
| R069     | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W  | R152     | 1-216-083-00 | RES,CHIP    | 27K 5% 1/10W    |
| R070     | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W  | R153     | 1-216-689-11 | RES,CHIP    | 39K 5% 1/10W    |
| R071     | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W  | R154     | 1-216-043-91 | RES,CHIP    | 560 5% 1/10W    |
| R072     | 1-216-065-91 | RES,CHIP    | 4.7K 5% 1/10W | R155     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W    |
| R074     | 1-216-065-91 | RES,CHIP    | 4.7K 5% 1/10W | R156     | 1-216-045-00 | RES,CHIP    | 680 5% 1/10W    |
| R075     | 1-216-061-91 | RES,CHIP    | 3.3K 5% 1/10W | R157     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W     |
| R077     | 1-216-053-00 | RES,CHIP    | 1.5K 5% 1/10W | R158     | 1-215-900-11 | METAL OXIDE | 22K 5% 2W       |
| R078     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W  | R159     | 1-216-041-00 | RES,CHIP    | 470 5% 1/10W    |
| R079     | 1-216-057-00 | RES,CHIP    | 2.2K 5% 1/10W | R160     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W    |
| R084     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W  | R161     | 1-216-083-00 | RES,CHIP    | 27K 5% 1/10W    |
| R085     | 1-216-053-00 | RES,CHIP    | 1.5K 5% 1/10W | R162     | 1-216-041-00 | RES,CHIP    | 470 5% 1/10W    |
| R086     | 1-216-053-00 | RES,CHIP    | 1.5K 5% 1/10W | R163     | 1-216-689-11 | RES,CHIP    | 39K 5% 1/10W    |
| R087     | 1-216-053-00 | RES,CHIP    | 1.5K 5% 1/10W | R164     | 1-216-065-91 | RES,CHIP    | 4.7K 5% 1/10W   |

# KP-48V80/53V80/61V80

RM-Y905 RM-Y905 RM-Y905

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| REF. NO. | PART NO.     | DESCRIPTION | REMARK           | REF. NO. | PART NO.     | DESCRIPTION | REMARK           |
|----------|--------------|-------------|------------------|----------|--------------|-------------|------------------|
| R166     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R256     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      |
| R167     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R257     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     |
| R168     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R258     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     |
| R169     | 1-216-065-91 | RES,CHIP    | 4.7K 5% 1/10W    |          |              |             |                  |
| R170     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R259     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     |
|          |              |             |                  | R260     | 1-208-810-11 | RES,CHIP    | 15K 0.50% 1/10W  |
| R171     | 1-216-295-91 | SHORT       | 0                | R261     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      |
| R201     | 1-216-295-91 | SHORT       | 0                | R262     | 1-216-648-11 | RES,CHIP    | 750 0.50% 1/10W  |
| R202     | 1-216-041-00 | RES,CHIP    | 470 5% 1/10W     | R263     | 1-208-776-11 | RES,CHIP    | 560 0.50% 1/10W  |
| R203     | 1-216-051-00 | RES,CHIP    | 1.2K 5% 1/10W    |          |              |             |                  |
| R204     | 1-216-041-00 | RES,CHIP    | 470 5% 1/10W     | R264     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      |
|          |              |             |                  | R265     | 1-216-017-91 | RES,CHIP    | 47 5% 1/10W      |
| R205     | 1-216-065-91 | RES,CHIP    | 4.7K 5% 1/10W    | R266     | 1-216-021-00 | RES,CHIP    | 68 5% 1/10W      |
| R206     | 1-216-295-91 | SHORT       | 0                | R268     | 1-208-800-11 | RES,CHIP    | 5.6K 0.50% 1/10W |
| R207     | 1-216-041-00 | RES,CHIP    | 470 5% 1/10W     | R269     | 1-208-776-11 | RES,CHIP    | 560 0.50% 1/10W  |
| R208     | 1-216-017-91 | RES,CHIP    | 47 5% 1/10W      |          |              |             |                  |
| R209     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      | R270     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      |
|          |              |             |                  | R272     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     |
| R210     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      | R273     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     |
| R211     | 1-216-041-00 | RES,CHIP    | 470 5% 1/10W     | R274     | 1-216-073-00 | RES,CHIP    | 10K 5% 1/10W     |
| R212     | 1-208-776-11 | RES,CHIP    | 560 0.50% 1/10W  | R275     | 1-216-057-00 | RES,CHIP    | 2.2K 5% 1/10W    |
| R213     | 1-208-776-11 | RES,CHIP    | 560 0.50% 1/10W  |          |              |             |                  |
| R215     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R276     | 1-216-097-91 | RES,CHIP    | 100K 5% 1/10W    |
|          |              |             |                  | R277     | 1-216-089-91 | RES,CHIP    | 47K 5% 1/10W     |
| R216     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R278     | 1-216-073-00 | RES,CHIP    | 10K 5% 1/10W     |
| R217     | 1-216-057-00 | RES,CHIP    | 2.2K 5% 1/10W    | R279     | 1-216-129-00 | RES,CHIP    | 2.2M 5% 1/10W    |
| R218     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      | R280     | 1-216-073-00 | RES,CHIP    | 10K 5% 1/10W     |
| R219     | 1-216-298-00 | RES,CHIP    | 2.2 5% 1/10W     |          |              |             |                  |
| R222     | 1-208-800-11 | RES,CHIP    | 5.6K 0.50% 1/10W | R281     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     |
|          |              |             |                  | R282     | 1-216-065-91 | RES,CHIP    | 4.7K 5% 1/10W    |
| R223     | 1-208-800-11 | RES,CHIP    | 5.6K 0.50% 1/10W | R283     | 1-216-065-91 | RES,CHIP    | 4.7K 5% 1/10W    |
| R224     | 1-216-105-91 | RES,CHIP    | 220K 5% 1/10W    | R284     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     |
| R225     | 1-216-071-00 | RES,CHIP    | 8.2K 5% 1/10W    | R285     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      |
| R226     | 1-216-041-00 | RES,CHIP    | 470 5% 1/10W     |          |              |             |                  |
| R227     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R286     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     |
|          |              |             |                  | R287     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     |
| R228     | 1-216-057-00 | RES,CHIP    | 2.2K 5% 1/10W    | R288     | 1-216-017-91 | RES,CHIP    | 47 5% 1/10W      |
| R229     | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W     | R289     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      |
| R230     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R290     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      |
| R231     | 1-216-065-91 | RES,CHIP    | 4.7K 5% 1/10W    |          |              |             |                  |
| R232     | 1-216-295-91 | SHORT       | 0                | R291     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      |
|          |              |             |                  | R292     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      |
| R233     | 1-208-776-11 | RES,CHIP    | 560 0.50% 1/10W  | R293     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      |
| R234     | 1-208-782-11 | RES,CHIP    | 1K 0.50% 1/10W   | R294     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      |
| R235     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R295     | 1-216-017-91 | RES,CHIP    | 47 5% 1/10W      |
| R236     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     |          |              |             |                  |
| R237     | 1-216-047-91 | RES,CHIP    | 820 5% 1/10W     | R296     | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W     |
|          |              |             |                  | R297     | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W     |
| R238     | 1-208-790-11 | RES,CHIP    | 2.2K 0.50% 1/10W | R298     | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W     |
| R239     | 1-208-822-11 | RES,CHIP    | 47K 0.50% 1/10W  | R299     | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W     |
| R240     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R300     | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W     |
| R241     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     |          |              |             |                  |
| R242     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R301     | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W     |
|          |              |             |                  | R302     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      |
| R243     | 1-216-057-00 | RES,CHIP    | 2.2K 5% 1/10W    | R303     | 1-216-133-00 | RES,CHIP    | 3.3M 5% 1/10W    |
| R244     | 1-216-075-00 | RES,CHIP    | 12K 5% 1/10W     | R304     | 1-216-059-00 | RES,CHIP    | 2.7K 5% 1/10W    |
| R245     | 1-216-085-00 | RES,CHIP    | 33K 5% 1/10W     | R305     | 1-216-071-00 | RES,CHIP    | 8.2K 5% 1/10W    |
| R246     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      |          |              |             |                  |
| R247     | 1-208-793-11 | RES,CHIP    | 3K 0.50% 1/10W   | R306     | 1-208-776-11 | RES,CHIP    | 560 0.50% 1/10W  |
|          |              |             |                  | R307     | 1-208-810-11 | RES,CHIP    | 15K 0.50% 1/10W  |
| R248     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R308     | 1-216-109-00 | RES,CHIP    | 330K 5% 1/10W    |
| R249     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R309     | 1-216-061-91 | RES,CHIP    | 3.3K 5% 1/10W    |
| R250     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      | R310     | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W     |
| R251     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     |          |              |             |                  |
| R252     | 1-216-075-00 | RES,CHIP    | 12K 5% 1/10W     | R311     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     |
|          |              |             |                  | R312     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     |
| R253     | 1-216-085-00 | RES,CHIP    | 33K 5% 1/10W     | R313     | 1-216-113-00 | RES,CHIP    | 470K 5% 1/10W    |
| R255     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R314     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     |





| REF. NO. | PART NO.     | DESCRIPTION | REMARK           | REF. NO. | PART NO.     | DESCRIPTION | REMARK          |
|----------|--------------|-------------|------------------|----------|--------------|-------------|-----------------|
| R315     | 1-216-043-91 | RES,CHIP    | 560 5% 1/10W     | R414     | 1-216-081-00 | RES,CHIP    | 22K 5% 1/10W    |
| R316     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      | R415     | 1-216-073-00 | RES,CHIP    | 10K 5% 1/10W    |
| R317     | 1-216-059-00 | RES,CHIP    | 2.7K 5% 1/10W    | R418     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W    |
| R318     | 1-216-077-00 | RES,CHIP    | 15K 5% 1/10W     | R419     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W    |
| R319     | 1-216-655-11 | RES,CHIP    | 1.5K 0.50% 1/10W | R420     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W    |
| R321     | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W     | R421     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W    |
| R322     | 1-216-069-00 | RES,CHIP    | 6.8K 5% 1/10W    | R422     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W    |
| R323     | 1-216-017-91 | RES,CHIP    | 47 5% 1/10W      | R423     | 1-216-089-91 | RES,CHIP    | 47K 5% 1/10W    |
| R324     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      | R424     | 1-215-865-11 | METAL OXIDE | 220 5% 1W F     |
| R325     | 1-216-073-00 | RES,CHIP    | 10K 5% 1/10W     | R425     | 1-216-041-00 | RES,CHIP    | 470 5% 1/10W    |
| R326     | 1-216-073-00 | RES,CHIP    | 10K 5% 1/10W     | R426     | 1-216-073-00 | RES,CHIP    | 10K 5% 1/10W    |
| R327     | 1-216-073-00 | RES,CHIP    | 10K 5% 1/10W     | R428     | 1-216-073-00 | RES,CHIP    | 10K 5% 1/10W    |
| R328     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      | R429     | 1-216-065-91 | RES,CHIP    | 4.7K 5% 1/10W   |
| R329     | 1-216-073-00 | RES,CHIP    | 10K 5% 1/10W     | R430     | 1-216-041-00 | RES,CHIP    | 470 5% 1/10W    |
| R330     | 1-216-075-00 | RES,CHIP    | 12K 5% 1/10W     | R431     | 1-216-073-00 | RES,CHIP    | 10K 5% 1/10W    |
| R331     | 1-216-065-91 | RES,CHIP    | 4.7K 5% 1/10W    | R432     | 1-216-073-00 | RES,CHIP    | 10K 5% 1/10W    |
| R332     | 1-216-075-00 | RES,CHIP    | 12K 5% 1/10W     | R433     | 1-216-041-00 | RES,CHIP    | 470 5% 1/10W    |
| R333     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      | R434     | 1-216-097-91 | RES,CHIP    | 100K 5% 1/10W   |
| R334     | 1-216-113-00 | RES,CHIP    | 470K 5% 1/10W    | R435     | 1-216-073-00 | RES,CHIP    | 10K 5% 1/10W    |
| R335     | 1-216-041-00 | RES,CHIP    | 470 5% 1/10W     | R437     | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W    |
| R336     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      | R438     | 1-216-073-00 | RES,CHIP    | 10K 5% 1/10W    |
| R337     | 1-216-037-00 | RES,CHIP    | 330 5% 1/10W     | R439     | 1-216-041-00 | RES,CHIP    | 470 5% 1/10W    |
| R338     | 1-216-075-00 | RES,CHIP    | 12K 5% 1/10W     | R440     | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W    |
| R339     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      | R441     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W     |
| R340     | 1-216-041-00 | RES,CHIP    | 470 5% 1/10W     | R442     | 1-216-073-00 | RES,CHIP    | 10K 5% 1/10W    |
| R341     | 1-216-040-00 | RES,CHIP    | 430 5% 1/10W     | R443     | 1-216-065-91 | RES,CHIP    | 4.7K 5% 1/10W   |
| R342     | 1-208-783-11 | RES,CHIP    | 1.1K 0.50% 1/10W | R444     | 1-216-077-00 | RES,CHIP    | 15K 5% 1/10W    |
| R343     | 1-216-085-00 | RES,CHIP    | 33K 5% 1/10W     | R446     | 1-216-085-00 | RES,CHIP    | 33K 5% 1/10W    |
| R344     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R447     | 1-216-081-00 | RES,CHIP    | 22K 5% 1/10W    |
| R345     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      | R448     | 1-216-081-00 | RES,CHIP    | 22K 5% 1/10W    |
| R346     | 1-216-089-91 | RES,CHIP    | 47K 5% 1/10W     | R449     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W     |
| R347     | 1-216-073-00 | RES,CHIP    | 10K 5% 1/10W     | R450     | 1-216-689-11 | RES,CHIP    | 39K 5% 1/10W    |
| R348     | 1-216-079-00 | RES,CHIP    | 18K 5% 1/10W     | R451     | 1-216-073-00 | RES,CHIP    | 10K 5% 1/10W    |
| R349     | 1-216-077-00 | RES,CHIP    | 15K 5% 1/10W     | R452     | 1-216-083-00 | RES,CHIP    | 27K 5% 1/10W    |
| R350     | 1-216-073-00 | RES,CHIP    | 10K 5% 1/10W     | R453     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W     |
| R351     | 1-216-041-00 | RES,CHIP    | 470 5% 1/10W     | R454     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W     |
| R352     | 1-216-081-00 | RES,CHIP    | 22K 5% 1/10W     | R455     | 1-216-083-00 | RES,CHIP    | 27K 5% 1/10W    |
| R353     | 1-216-113-00 | RES,CHIP    | 470K 5% 1/10W    | R456     | 1-216-073-00 | RES,CHIP    | 10K 5% 1/10W    |
| R354     | 1-216-065-91 | RES,CHIP    | 4.7K 5% 1/10W    | R457     | 1-216-073-00 | RES,CHIP    | 10K 5% 1/10W    |
| R360     | 1-216-051-00 | RES,CHIP    | 1.2K 5% 1/10W    | R458     | 1-249-389-11 | CARBON      | 4.7 5% 1/4W F   |
| R361     | 1-208-803-11 | RES,CHIP    | 7.5K 0.50% 1/10W | R459     | 1-249-389-11 | CARBON      | 4.7 5% 1/4W F   |
| R362     | 1-208-774-11 | RES,CHIP    | 470 0.50% 1/10W  | R460     | 1-216-089-91 | RES,CHIP    | 47K 5% 1/10W    |
| R363     | 1-208-798-11 | RES,CHIP    | 4.7K 0.50% 1/10W | R461     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W    |
| R401     | 1-216-057-00 | RES,CHIP    | 2.2K 5% 1/10W    | R462     | 1-216-075-00 | RES,CHIP    | 12K 5% 1/10W    |
| R402     | 1-216-057-00 | RES,CHIP    | 2.2K 5% 1/10W    | R463     | 1-216-089-91 | RES,CHIP    | 47K 5% 1/10W    |
| R403     | 1-216-121-91 | RES,CHIP    | 1M 5% 1/10W      | R464     | 1-216-089-91 | RES,CHIP    | 47K 5% 1/10W    |
| R404     | 1-216-065-91 | RES,CHIP    | 4.7K 5% 1/10W    | R465     | 1-216-121-91 | RES,CHIP    | 1M 5% 1/10W     |
| R405     | 1-216-065-91 | RES,CHIP    | 4.7K 5% 1/10W    | R466     | 1-216-079-00 | RES,CHIP    | 18K 5% 1/10W    |
| R406     | 1-216-035-00 | RES,CHIP    | 270 5% 1/10W     | R467     | 1-216-077-00 | RES,CHIP    | 15K 5% 1/10W    |
| R407     | 1-216-065-91 | RES,CHIP    | 4.7K 5% 1/10W    | R468     | 1-216-295-91 | SHORT       | 0               |
| R408     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R471     | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W    |
| R409     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R472     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W     |
| R410     | 1-216-035-00 | RES,CHIP    | 270 5% 1/10W     | R473     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W     |
| R411     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R474     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W     |
| R412     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R475     | 1-208-817-11 | RES,CHIP    | 30K 0.50% 1/10W |
| R413     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R476     | 1-208-817-11 | RES,CHIP    | 30K 0.50% 1/10W |
|          |              |             |                  | R477     | 1-216-089-91 | RES,CHIP    | 47K 5% 1/10W    |

# KP-48V80/53V80/61V80

RM-Y905 RM-Y905 RM-Y905

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| REF. NO. | PART NO.     | DESCRIPTION | REMARK           | REF. NO. | PART NO.     | DESCRIPTION | REMARK           |
|----------|--------------|-------------|------------------|----------|--------------|-------------|------------------|
| R478     | 1-216-089-91 | RES,CHIP    | 47K 5% 1/10W     | R866     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     |
| R801     | 1-216-295-91 | SHORT       | 0                | R867     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     |
| R802     | 1-216-295-91 | SHORT       | 0                | R868     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     |
| R803     | 1-216-295-91 | SHORT       | 0                | R869     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     |
| R804     | 1-216-295-91 | SHORT       | 0                | R870     | 1-216-073-00 | RES,CHIP    | 10K 5% 1/10W     |
| R805     | 1-216-065-91 | RES,CHIP    | 4.7K 5% 1/10W    | R871     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     |
| R806     | 1-216-113-00 | RES,CHIP    | 470K 5% 1/10W    | R872     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     |
| R808     | 1-216-065-91 | RES,CHIP    | 4.7K 5% 1/10W    | R873     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     |
| R810     | 1-216-295-91 | SHORT       | 0                | R874     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     |
| R811     | 1-216-109-00 | RES,CHIP    | 330K 5% 1/10W    | R875     | 1-216-295-91 | SHORT       | 0                |
| R813     | 1-216-117-00 | RES,CHIP    | 680K 5% 1/10W    | R876     | 1-216-065-91 | RES,CHIP    | 4.7K 5% 1/10W    |
| R814     | 1-216-117-00 | RES,CHIP    | 680K 5% 1/10W    | R877     | 1-208-816-11 | RES,CHIP    | 27K 0.50% 1/10W  |
| R815     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R878     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      |
| R816     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      | R879     | 1-216-295-91 | SHORT       | 0                |
| R817     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R880     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      |
| R818     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R881     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     |
| R819     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R882     | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W     |
| R820     | 1-216-295-91 | SHORT       | 0                | R883     | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W     |
| R821     | 1-216-295-91 | SHORT       | 0                | R884     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      |
| R822     | 1-216-295-91 | SHORT       | 0                | R885     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     |
| R823     | 1-216-295-91 | SHORT       | 0                | R887     | 1-216-295-91 | SHORT       | 0                |
| R824     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R888     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     |
| R825     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R891     | 1-216-073-00 | RES,CHIP    | 10K 5% 1/10W     |
| R828     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      | R892     | 1-208-802-11 | RES,CHIP    | 6.8K 0.50% 1/10W |
| R829     | 1-216-073-00 | RES,CHIP    | 10K 5% 1/10W     | R893     | 1-216-073-00 | RES,CHIP    | 10K 5% 1/10W     |
| R830     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R894     | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W     |
| R831     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      | R895     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     |
| R832     | 1-216-073-00 | RES,CHIP    | 10K 5% 1/10W     | R896     | 1-216-121-91 | RES,CHIP    | 1M 5% 1/10W      |
| R833     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      | R897     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      |
| R834     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      | R898     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      |
| R836     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      | R899     | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W     |
| R838     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R900     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     |
| R839     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R901     | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W     |
| R840     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R902     | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W     |
| R842     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R903     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     |
| R843     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R904     | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W     |
| R844     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R905     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     |
| R846     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R906     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     |
| R847     | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W     | R907     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     |
| R848     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R908     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     |
| R849     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R910     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     |
| R850     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R911     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     |
| R851     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R912     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      |
| R852     | 1-208-814-91 | RES,CHIP    | 22K 0.50% 1/10W  | R913     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     |
| R853     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R914     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      |
| R854     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R915     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      |
| R855     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R916     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      |
| R856     | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W     | R917     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     |
| R857     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R918     | 1-208-806-11 | RES,CHIP    | 10K 0.50% 1/10W  |
| R858     | 1-216-073-00 | RES,CHIP    | 10K 5% 1/10W     | R919     | 1-216-061-91 | RES,CHIP    | 3.3K 5% 1/10W    |
| R859     | 1-216-081-00 | RES,CHIP    | 22K 5% 1/10W     | R920     | 1-216-057-00 | RES,CHIP    | 2.2K 5% 1/10W    |
| R860     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R922     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      |
| R861     | 1-216-073-00 | RES,CHIP    | 10K 5% 1/10W     | R923     | 1-216-043-91 | RES,CHIP    | 560 5% 1/10W     |
| R862     | 1-216-073-00 | RES,CHIP    | 10K 5% 1/10W     | R924     | 1-216-053-00 | RES,CHIP    | 1.5K 5% 1/10W    |
| R863     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R925     | 1-216-043-91 | RES,CHIP    | 560 5% 1/10W     |
| R864     | 1-208-801-11 | RES,CHIP    | 6.2K 0.50% 1/10W | R926     | 1-216-053-00 | RES,CHIP    | 1.5K 5% 1/10W    |
| R865     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     |          |              |             |                  |



| REF. NO. | PART NO.     | DESCRIPTION | REMARK           | REF. NO. | PART NO.     | DESCRIPTION | REMARK          |
|----------|--------------|-------------|------------------|----------|--------------|-------------|-----------------|
| R928     | 1-216-057-00 | RES,CHIP    | 2.2K 5% 1/10W    | R1013    | 1-216-295-91 | SHORT       | 0               |
| R929     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      | R1014    | 1-216-295-91 | SHORT       | 0               |
| R932     | 1-208-792-11 | RES,CHIP    | 2.7K 0.50% 1/10W | R1015    | 1-216-295-91 | SHORT       | 0               |
| R935     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R1403    | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W     |
| R936     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R1404    | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W     |
| R937     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R1406    | 1-216-061-91 | RES,CHIP    | 3.3K 5% 1/10W   |
| R938     | 1-208-764-11 | RES,CHIP    | 180 0.50% 1/10W  | R1407    | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W     |
| R939     | 1-208-766-11 | RES,CHIP    | 220 0.50% 1/10W  | R1408    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W    |
| R941     | 1-216-061-91 | RES,CHIP    | 3.3K 5% 1/10W    | R1409    | 1-216-057-00 | RES,CHIP    | 2.2K 5% 1/10W   |
| R942     | 1-216-065-91 | RES,CHIP    | 4.7K 5% 1/10W    | R1410    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W    |
| R943     | 1-216-041-00 | RES,CHIP    | 470 5% 1/10W     | R1411    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W    |
| R945     | 1-216-057-00 | RES,CHIP    | 2.2K 5% 1/10W    | R1412    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W    |
| R950     | 1-216-043-91 | RES,CHIP    | 560 5% 1/10W     | R1413    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W    |
| R951     | 1-216-053-00 | RES,CHIP    | 1.5K 5% 1/10W    | R1414    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W    |
| R952     | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      | R1415    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W    |
| R953     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R1416    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W    |
| R954     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R1417    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W    |
| R955     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R1418    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W    |
| R956     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R1419    | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W    |
| R957     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R1420    | 1-216-045-00 | RES,CHIP    | 680 5% 1/10W    |
| R958     | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R1421    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W    |
| R959     | 1-208-806-11 | RES,CHIP    | 10K 0.50% 1/10W  | R1422    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W    |
| R960     | 1-208-806-11 | RES,CHIP    | 10K 0.50% 1/10W  | R1423    | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W     |
| R961     | 1-208-806-11 | RES,CHIP    | 10K 0.50% 1/10W  | R1424    | 1-216-061-91 | RES,CHIP    | 3.3K 5% 1/10W   |
| R962     | 1-208-806-11 | RES,CHIP    | 10K 0.50% 1/10W  | R1425    | 1-216-009-91 | RES,CHIP    | 22 5% 1/10W     |
| R963     | 1-208-806-11 | RES,CHIP    | 10K 0.50% 1/10W  | R1427    | 1-216-109-00 | RES,CHIP    | 330K 5% 1/10W   |
| R964     | 1-208-806-11 | RES,CHIP    | 10K 0.50% 1/10W  | R1428    | 1-216-057-00 | RES,CHIP    | 2.2K 5% 1/10W   |
| R965     | 1-208-806-11 | RES,CHIP    | 10K 0.50% 1/10W  | R1429    | 1-208-774-11 | RES,CHIP    | 470 0.50% 1/10W |
| R966     | 1-208-806-11 | RES,CHIP    | 10K 0.50% 1/10W  | R1430    | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W    |
| R968     | 1-208-806-11 | RES,CHIP    | 10K 0.50% 1/10W  | R1431    | 1-216-045-00 | RES,CHIP    | 680 5% 1/10W    |
| R970     | 1-208-806-11 | RES,CHIP    | 10K 0.50% 1/10W  | R1432    | 1-216-071-00 | RES,CHIP    | 8.2K 5% 1/10W   |
| R972     | 1-208-806-11 | RES,CHIP    | 10K 0.50% 1/10W  | R1433    | 1-216-077-00 | RES,CHIP    | 15K 5% 1/10W    |
| R974     | 1-208-806-11 | RES,CHIP    | 10K 0.50% 1/10W  | R1434    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W    |
| R976     | 1-208-806-11 | RES,CHIP    | 10K 0.50% 1/10W  | R1435    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W    |
| R978     | 1-208-810-11 | RES,CHIP    | 15K 0.50% 1/10W  | R1436    | 1-216-109-00 | RES,CHIP    | 330K 5% 1/10W   |
| R979     | 1-208-817-11 | RES,CHIP    | 30K 0.50% 1/10W  | R1437    | 1-216-073-00 | RES,CHIP    | 10K 5% 1/10W    |
| R980     | 1-208-817-11 | RES,CHIP    | 30K 0.50% 1/10W  | R1439    | 1-216-053-00 | RES,CHIP    | 1.5K 5% 1/10W   |
| R981     | 1-208-817-11 | RES,CHIP    | 30K 0.50% 1/10W  | R1440    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W    |
| R982     | 1-208-817-11 | RES,CHIP    | 30K 0.50% 1/10W  | R1441    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W    |
| R983     | 1-208-817-11 | RES,CHIP    | 30K 0.50% 1/10W  | R1442    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W    |
| R985     | 1-208-810-11 | RES,CHIP    | 15K 0.50% 1/10W  | R1443    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W    |
| R987     | 1-208-817-11 | RES,CHIP    | 30K 0.50% 1/10W  | R1444    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W    |
| R989     | 1-208-817-11 | RES,CHIP    | 30K 0.50% 1/10W  | R1445    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W    |
| R991     | 1-208-817-11 | RES,CHIP    | 30K 0.50% 1/10W  | R1446    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W    |
| R993     | 1-208-817-11 | RES,CHIP    | 30K 0.50% 1/10W  | R1447    | 1-208-774-11 | RES,CHIP    | 470 0.50% 1/10W |
| R994     | 1-208-817-11 | RES,CHIP    | 30K 0.50% 1/10W  | R1448    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W    |
| R996     | 1-208-776-11 | RES,CHIP    | 560 0.50% 1/10W  | R1449    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W    |
| R997     | 1-208-776-11 | RES,CHIP    | 560 0.50% 1/10W  | R1450    | 1-216-071-00 | RES,CHIP    | 8.2K 5% 1/10W   |
| R998     | 1-208-776-11 | RES,CHIP    | 560 0.50% 1/10W  | R1451    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W    |
| R999     | 1-208-776-11 | RES,CHIP    | 560 0.50% 1/10W  | R1452    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W    |
| R1000    | 1-208-776-11 | RES,CHIP    | 560 0.50% 1/10W  | R1453    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W    |
| R1001    | 1-208-776-11 | RES,CHIP    | 560 0.50% 1/10W  | R1454    | 1-216-077-00 | RES,CHIP    | 15K 5% 1/10W    |
| R1002    | 1-208-810-11 | RES,CHIP    | 15K 0.50% 1/10W  | R1455    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W    |
| R1003    | 1-208-818-11 | RES,CHIP    | 33K 0.50% 1/10W  | R1456    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W    |
| R1010    | 1-216-295-91 | SHORT       | 0                | R1457    | 1-216-073-00 | RES,CHIP    | 10K 5% 1/10W    |
| R1011    | 1-216-295-91 | SHORT       | 0                | R1458    | 1-216-053-00 | RES,CHIP    | 1.5K 5% 1/10W   |
| R1012    | 1-216-295-91 | SHORT       | 0                | R1459    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W    |

# KP-48V80/53V80/61V80

RM-Y905 RM-Y905 RM-Y905

A

| REF. NO. | PART NO.     | DESCRIPTION | REMARK           | REF. NO.  | PART NO.     | DESCRIPTION          | REMARK           |
|----------|--------------|-------------|------------------|-----------|--------------|----------------------|------------------|
| R1460    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R1528     | 1-216-057-00 | RES,CHIP             | 2.2K 5% 1/10W    |
| R1461    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R1529     | 1-216-025-91 | RES,CHIP             | 100 5% 1/10W     |
| R1462    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R1530     | 1-216-065-91 | RES,CHIP             | 4.7K 5% 1/10W    |
| R1463    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R1531     | 1-216-073-00 | RES,CHIP             | 10K 5% 1/10W     |
| R1464    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R1532     | 1-216-051-00 | RES,CHIP             | 1.2K 5% 1/10W    |
| R1465    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R1533     | 1-216-051-00 | RES,CHIP             | 1.2K 5% 1/10W    |
| R1466    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R1534     | 1-216-025-91 | RES,CHIP             | 100 5% 1/10W     |
| R1467    | 1-216-037-00 | RES,CHIP    | 330 5% 1/10W     | R1535     | 1-216-025-91 | RES,CHIP             | 100 5% 1/10W     |
| R1468    | 1-216-295-91 | SHORT       | 0                | R1536     | 1-216-073-00 | RES,CHIP             | 10K 5% 1/10W     |
| R1470    | 1-216-009-91 | RES,CHIP    | 22 5% 1/10W      | R1537     | 1-208-801-11 | RES,CHIP             | 6.2K 0.50% 1/10W |
| R1471    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R1540     | 1-216-053-00 | RES,CHIP             | 1.5K 5% 1/10W    |
| R1472    | 1-208-774-11 | RES,CHIP    | 470 0.50% 1/10W  | R1541     | 1-216-073-00 | RES,CHIP             | 10K 5% 1/10W     |
| R1473    | 1-216-073-00 | RES,CHIP    | 10K 5% 1/10W     | R1542     | 1-216-025-91 | RES,CHIP             | 100 5% 1/10W     |
| R1474    | 1-216-033-00 | RES,CHIP    | 220 5% 1/10W     | R1543     | 1-216-025-91 | RES,CHIP             | 100 5% 1/10W     |
| R1476    | 1-208-780-11 | RES,CHIP    | 820 0.50% 1/10W  | R1544     | 1-216-025-91 | RES,CHIP             | 100 5% 1/10W     |
| R1477    | 1-216-295-91 | SHORT       | 0                | R1545     | 1-216-073-00 | RES,CHIP             | 10K 5% 1/10W     |
| R1479    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R1547     | 1-216-073-00 | RES,CHIP             | 10K 5% 1/10W     |
| R1480    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R1601     | 1-216-065-91 | RES,CHIP             | 4.7K 5% 1/10W    |
| R1481    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R1603     | 1-216-049-91 | RES,CHIP             | 1K 5% 1/10W      |
| R1482    | 1-216-041-00 | RES,CHIP    | 470 5% 1/10W     | R1604     | 1-216-049-91 | RES,CHIP             | 1K 5% 1/10W      |
| R1483    | 1-216-009-91 | RES,CHIP    | 22 5% 1/10W      | R1605     | 1-208-802-11 | RES,CHIP             | 6.8K 0.50% 1/10W |
| R1484    | 1-216-009-91 | RES,CHIP    | 22 5% 1/10W      | R1607     | 1-208-806-11 | RES,CHIP             | 10K 0.50% 1/10W  |
| R1486    | 1-208-782-11 | RES,CHIP    | 1K 0.50% 1/10W   | R1609     | 1-216-025-91 | RES,CHIP             | 100 5% 1/10W     |
| R1487    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R1610     | 1-216-025-91 | RES,CHIP             | 100 5% 1/10W     |
| R1489    | 1-216-075-00 | RES,CHIP    | 12K 5% 1/10W     | R1614     | 1-216-049-91 | RES,CHIP             | 1K 5% 1/10W      |
| R1490    | 1-216-081-00 | RES,CHIP    | 22K 5% 1/10W     | R1615     | 1-208-802-11 | RES,CHIP             | 6.8K 0.50% 1/10W |
| R1492    | 1-216-009-91 | RES,CHIP    | 22 5% 1/10W      | R1616     | 1-216-049-91 | RES,CHIP             | 1K 5% 1/10W      |
| R1493    | 1-216-037-00 | RES,CHIP    | 330 5% 1/10W     | R1618     | 1-216-033-00 | RES,CHIP             | 220 5% 1/10W     |
| R1494    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R1619     | 1-216-057-00 | RES,CHIP             | 2.2K 5% 1/10W    |
| R1495    | 1-208-784-11 | RES,CHIP    | 1.2K 0.50% 1/10W | R1621     | 1-208-806-11 | RES,CHIP             | 10K 0.50% 1/10W  |
| R1496    | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      | R1622     | 1-216-033-00 | RES,CHIP             | 220 5% 1/10W     |
| R1497    | 1-208-774-11 | RES,CHIP    | 470 0.50% 1/10W  | R1623     | 1-216-025-91 | RES,CHIP             | 100 5% 1/10W     |
| R1498    | 1-216-053-00 | RES,CHIP    | 1.5K 5% 1/10W    | R1624     | 1-216-025-91 | RES,CHIP             | 100 5% 1/10W     |
| R1499    | 1-208-780-11 | RES,CHIP    | 820 0.50% 1/10W  | R1627     | 1-216-061-91 | RES,CHIP             | 3.3K 5% 1/10W    |
| R1501    | 1-216-073-00 | RES,CHIP    | 10K 5% 1/10W     | <RELAY>   |              |                      |                  |
| R1504    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | RY401     | 1-755-028-11 | RELAY                |                  |
| R1505    | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      | RY402     | 1-755-028-11 | RELAY                |                  |
| R1506    | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      | <TUNER>   |              |                      |                  |
| R1507    | 1-216-009-91 | RES,CHIP    | 22 5% 1/10W      | TU151     | 8-598-431-20 | TUNER, FSS BTF-WA411 |                  |
| R1508    | 1-216-041-00 | RES,CHIP    | 470 5% 1/10W     | TU152     | 8-598-430-00 | TUNER, FSS BTF-FA401 |                  |
| R1509    | 1-208-782-11 | RES,CHIP    | 1K 0.50% 1/10W   | <CRYSTAL> |              |                      |                  |
| R1510    | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      | X001      | 1-781-589-21 | VIBRATOR, CRYSTAL    |                  |
| R1511    | 1-216-065-91 | RES,CHIP    | 4.7K 5% 1/10W    | X202      | 1-567-505-11 | OSCILLATOR, CRYSTAL  |                  |
| R1512    | 1-216-075-00 | RES,CHIP    | 12K 5% 1/10W     | X203      | 1-579-583-11 | VIBRATOR, CERAMIC    |                  |
| R1513    | 1-216-081-00 | RES,CHIP    | 22K 5% 1/10W     | X401      | 1-781-590-21 | VIBRATOR, CRYSTAL    |                  |
| R1514    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | X801      | 1-767-925-21 | VIBRATOR, CRYSTAL    |                  |
| R1515    | 1-208-806-11 | RES,CHIP    | 10K 0.50% 1/10W  | X1401     | 1-579-583-11 | VIBRATOR, CERAMIC    |                  |
| R1516    | 1-208-774-11 | RES,CHIP    | 470 0.50% 1/10W  | X1402     | 1-567-505-11 | OSCILLATOR, CRYSTAL  |                  |
| R1517    | 1-216-057-00 | RES,CHIP    | 2.2K 5% 1/10W    | X1403     | 1-579-583-11 | VIBRATOR, CERAMIC    |                  |
| R1518    | 1-216-065-91 | RES,CHIP    | 4.7K 5% 1/10W    | X1404     | 1-567-505-11 | OSCILLATOR, CRYSTAL  |                  |
| R1519    | 1-216-065-91 | RES,CHIP    | 4.7K 5% 1/10W    | *****     |              |                      |                  |
| R1520    | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      |           |              |                      |                  |
| R1522    | 1-208-755-11 | RES,CHIP    | 75 0.50% 1/10W   |           |              |                      |                  |
| R1523    | 1-216-061-91 | RES,CHIP    | 3.3K 5% 1/10W    |           |              |                      |                  |
| R1525    | 1-216-073-00 | RES,CHIP    | 10K 5% 1/10W     |           |              |                      |                  |
| R1527    | 1-216-051-00 | RES,CHIP    | 1.2K 5% 1/10W    |           |              |                      |                  |



| REF. NO.                                  | PART NO.     | DESCRIPTION  | REMARK          | REF. NO.    | PART NO.     | DESCRIPTION                   | REMARK |
|---|--------------|--------------|-----------------|-------------|--------------|-------------------------------|--------|
| * A-1373-727-A U BOARD, COMPLETE<br>***** |              |              |                 | <CONNECTOR> |              |                               |        |
|   |              | <CAPACITOR>  |                 | CN1701      | 1-573-301-21 | CONNECTOR, BOARD TO BOARD 20P |        |
|   |              |              |                 | CN1702 *    | 1-564-526-11 | PLUG, CONNECTOR 11P           |        |
|   |              |              |                 | CN1703      | 1-573-301-21 | CONNECTOR, BOARD TO BOARD 20P |        |
|   |              |              |                 | CN2001      | 1-573-301-21 | CONNECTOR, BOARD TO BOARD 20P |        |
|   |              |              |                 | <DIODE>     |              |                               |        |
| C1701                                     | 1-163-021-91 | CERAMIC CHIP | 0.01MF 10% 50V  | D1701       | 8-719-110-17 | DIODE RD10ESB2                |        |
| C1702                                     | 1-128-551-11 | ELECT        | 22MF 20% 25V    | D1702       | 8-719-110-17 | DIODE RD10ESB2                |        |
| C1703                                     | 1-163-021-91 | CERAMIC CHIP | 0.01MF 10% 50V  | D1703       | 8-719-110-17 | DIODE RD10ESB2                |        |
| C1704                                     | 1-126-935-11 | ELECT        | 470MF 20% 16V   | D1704       | 8-719-110-17 | DIODE RD10ESB2                |        |
| C1705                                     | 1-128-551-11 | ELECT        | 22MF 20% 25V    | D1705       | 8-719-110-17 | DIODE RD10ESB2                |        |
| C1706                                     | 1-128-551-11 | ELECT        | 22MF 20% 25V    | D1706       | 8-719-110-17 | DIODE RD10ESB2                |        |
| C1707                                     | 1-128-551-11 | ELECT        | 22MF 20% 25V    | D1707       | 8-719-110-17 | DIODE RD10ESB2                |        |
| C1708                                     | 1-128-551-11 | ELECT        | 22MF 20% 25V    | D1708       | 8-719-110-17 | DIODE RD10ESB2                |        |
| C1709                                     | 1-104-664-11 | ELECT        | 47MF 20% 25V    | D1709       | 8-719-110-17 | DIODE RD10ESB2                |        |
| C1710                                     | 1-128-551-11 | ELECT        | 22MF 20% 25V    | D1710       | 8-719-110-17 | DIODE RD10ESB2                |        |
| C1711                                     | 1-128-551-11 | ELECT        | 22MF 20% 25V    | D1711       | 8-719-110-17 | DIODE RD10ESB2                |        |
| C1712                                     | 1-128-551-11 | ELECT        | 22MF 20% 25V    | D1712       | 8-719-110-17 | DIODE RD10ESB2                |        |
| C1713                                     | 1-128-551-11 | ELECT        | 22MF 20% 25V    | D1713       | 8-719-110-17 | DIODE RD10ESB2                |        |
| C1714                                     | 1-104-664-11 | ELECT        | 47MF 20% 25V    | D1714       | 8-719-110-17 | DIODE RD10ESB2                |        |
| C1715                                     | 1-126-935-11 | ELECT        | 470MF 20% 16V   | D1715       | 8-719-110-17 | DIODE RD10ESB2                |        |
| C1716                                     | 1-164-004-11 | CERAMIC CHIP | 0.1MF 10% 25V   | D1716       | 8-719-110-17 | DIODE RD10ESB2                |        |
| C1717                                     | 1-164-004-11 | CERAMIC CHIP | 0.1MF 10% 25V   | D1717       | 8-719-110-17 | DIODE RD10ESB2                |        |
| C1718                                     | 1-128-551-11 | ELECT        | 22MF 20% 25V    | D1718       | 8-719-110-17 | DIODE RD10ESB2                |        |
| C1719                                     | 1-128-551-11 | ELECT        | 22MF 20% 25V    | D1719       | 8-719-110-17 | DIODE RD10ESB2                |        |
| C1720                                     | 1-128-551-11 | ELECT        | 22MF 20% 25V    | D1720       | 8-719-110-17 | DIODE RD10ESB2                |        |
| C1721                                     | 1-128-551-11 | ELECT        | 22MF 20% 25V    | D1721       | 8-719-110-17 | DIODE RD10ESB2                |        |
| C1722                                     | 1-128-551-11 | ELECT        | 22MF 20% 25V    | D1722       | 8-719-110-17 | DIODE RD10ESB2                |        |
| C1723                                     | 1-128-551-11 | ELECT        | 22MF 20% 25V    | D1723       | 8-719-110-17 | DIODE RD10ESB2                |        |
| C1724                                     | 1-128-551-11 | ELECT        | 22MF 20% 25V    | D1724       | 8-719-110-17 | DIODE RD10ESB2                |        |
| C1725                                     | 1-128-551-11 | ELECT        | 22MF 20% 25V    | D1725       | 8-719-110-17 | DIODE RD10ESB2                |        |
| C1726                                     | 1-126-964-11 | ELECT        | 10MF 20% 50V    | D1726       | 8-719-110-17 | DIODE RD10ESB2                |        |
| C1727                                     | 1-126-964-11 | ELECT        | 10MF 20% 50V    | D1727       | 8-719-110-17 | DIODE RD10ESB2                |        |
| C1728                                     | 1-126-964-11 | ELECT        | 10MF 20% 50V    | D1728       | 8-719-110-17 | DIODE RD10ESB2                |        |
| C1729                                     | 1-126-964-11 | ELECT        | 10MF 20% 50V    | D1729       | 8-719-110-17 | DIODE RD10ESB2                |        |
| C1730                                     | 1-128-551-11 | ELECT        | 22MF 20% 25V    | D1730       | 8-719-110-17 | DIODE RD10ESB2                |        |
| C1731                                     | 1-126-964-11 | ELECT        | 10MF 20% 50V    | D1731       | 8-719-991-33 | DIODE 1SS133T-77              |        |
| C1732                                     | 1-126-964-11 | ELECT        | 10MF 20% 50V    | D1732       | 8-719-991-33 | DIODE 1SS133T-77              |        |
| C1733                                     | 1-128-551-11 | ELECT        | 22MF 20% 25V    | D2001       | 8-719-991-33 | DIODE 1SS133T-77              |        |
| C1734                                     | 1-128-551-11 | ELECT        | 22MF 20% 25V    | D2002       | 8-719-991-33 | DIODE 1SS133T-77              |        |
| C1735                                     | 1-128-551-11 | ELECT        | 22MF 20% 25V    | D2003       | 8-719-109-89 | DIODE RD5.6ESB2               |        |
| C1736                                     | 1-128-551-11 | ELECT        | 22MF 20% 25V    | D2004       | 8-719-109-89 | DIODE RD5.6ESB2               |        |
| C1737                                     | 1-128-551-11 | ELECT        | 22MF 20% 25V    | D2005       | 8-719-109-89 | DIODE RD5.6ESB2               |        |
| C1738                                     | 1-163-021-91 | CERAMIC CHIP | 0.01MF 10% 50V  | D2006       | 8-719-109-89 | DIODE RD5.6ESB2               |        |
| C1740                                     | 1-126-935-11 | ELECT        | 470MF 20% 16V   | D2007       | 8-719-109-89 | DIODE RD5.6ESB2               |        |
| C1741                                     | 1-128-551-11 | ELECT        | 22MF 20% 25V    | <IC>        |              |                               |        |
| C1742                                     | 1-128-551-11 | ELECT        | 22MF 20% 25V    | IC1701      | 8-759-100-96 | IC UPC4558G2                  |        |
| C1743                                     | 1-104-664-11 | ELECT        | 47MF 20% 25V    | IC1702      | 8-752-066-69 | IC CXA1845Q                   |        |
| C1744                                     | 1-128-551-11 | ELECT        | 22MF 20% 25V    | IC1703      | 8-759-353-02 | IC NJM2533M(Te2)              |        |
| C2001                                     | 1-126-960-11 | ELECT        | 1MF 20% 50V     | IC1704      | 8-759-443-11 | IC NJM2283M-TE1               |        |
| C2002                                     | 1-128-551-11 | ELECT        | 22MF 20% 25V    | IC2001      | 8-759-470-63 | IC NJM2145M-TE2               |        |
| C2003                                     | 1-163-021-91 | CERAMIC CHIP | 0.01MF 10% 50V  |             |              |                               |        |
| C2005                                     | 1-163-009-11 | CERAMIC CHIP | 0.001MF 10% 50V |             |              |                               |        |
| C2006                                     | 1-104-664-11 | ELECT        | 47MF 20% 25V    |             |              |                               |        |



# KP-48V80/53V80/61V80

RM-Y905 RM-Y905 RM-Y905



| REF. NO. | PART NO.     | DESCRIPTION                             | REMARK | REF. NO. | PART NO.     | DESCRIPTION               | REMARK |
|----------|--------------|---|--------|----------|--------------|---------------------------|--------|
|          |              | <JACK>                                  |        |          |              |                           |        |
| J1701    | 1-750-515-11 | TERMINAL BLOCK, S 3P(VIDEO 1 IN)        |        | Q2005    | 1-801-806-11 | TRANSISTOR DTC144EKA-T146 |        |
| J1702    | 1-750-515-11 | TERMINAL BLOCK, S 3P(VIDEO 3 IN)        |        | Q2006    | 8-729-216-22 | TRANSISTOR 2SA1162-G      |        |
| J1703    | 1-774-358-11 | JACK BLOCK, PIN(VIDEO 4 IN)             |        | Q2008    | 8-729-216-22 | TRANSISTOR 2SA1162-G      |        |
| J1704    | 1-774-358-11 | JACK BLOCK, PIN(VIDEO 5 IN)             |        | Q2010    | 8-729-216-22 | TRANSISTOR 2SA1162-G      |        |
| J1705    | 1-750-517-11 | JACK BLOCK, PIN 3P(TV OUT)              |        |          |              | <RESISTOR>                |        |
| J1706    | 1-750-517-11 | JACK BLOCK, PIN 3P(MONITOR OUT)         |        | R1701    | 1-216-022-00 | RES,CHIP 75 5% 1/10W      |        |
| J1707    | 1-750-516-11 | JACK BLOCK, PIN 2P(AUDIO (VAR/ FIX)OUT) |        | R1702    | 1-216-041-00 | RES,CHIP 470 5% 1/10W     |        |
| J2001    | 1-764-143-11 | JACK 3P(CONTROL S OUT)                  |        | R1703    | 1-216-041-00 | RES,CHIP 470 5% 1/10W     |        |
| J2002    | 1-764-143-11 | JACK 3P(S-LINK 5)                       |        | R1704    | 1-216-022-00 | RES,CHIP 75 5% 1/10W      |        |
| J2003    | 1-764-143-11 | JACK 3P(S-LINK 4)                       |        | R1705    | 1-216-113-00 | RES,CHIP 470K 5% 1/10W    |        |
| J2004    | 1-764-143-11 | JACK 3P(S-LINK 3)                       |        | R1706    | 1-216-113-00 | RES,CHIP 470K 5% 1/10W    |        |
| J2005    | 1-764-143-11 | JACK 3P(S-LINK 1)                       |        | R1707    | 1-216-022-00 | RES,CHIP 75 5% 1/10W      |        |
|          |              | <COIL>                                  |        | R1708    | 1-216-022-00 | RES,CHIP 75 5% 1/10W      |        |
| L1701    | 1-414-187-11 | INDUCTOR 47UH                           |        | R1709    | 1-216-022-00 | RES,CHIP 75 5% 1/10W      |        |
|          |              | <TRANSISTOR>                            |        | R1710    | 1-216-113-00 | RES,CHIP 470K 5% 1/10W    |        |
| Q1701    | 8-729-027-56 | TRANSISTOR DTC143TKA-T146               |        | R1711    | 1-216-113-00 | RES,CHIP 470K 5% 1/10W    |        |
| Q1702    | 8-729-027-56 | TRANSISTOR DTC143TKA-T146               |        | R1712    | 1-216-022-00 | RES,CHIP 75 5% 1/10W      |        |
| Q1703    | 8-729-027-56 | TRANSISTOR DTC143TKA-T146               |        | R1713    | 1-216-022-00 | RES,CHIP 75 5% 1/10W      |        |
| Q1704    | 8-729-027-56 | TRANSISTOR DTC143TKA-T146               |        | R1714    | 1-216-022-00 | RES,CHIP 75 5% 1/10W      |        |
| Q1705    | 8-729-422-27 | TRANSISTOR 2SD601A-Q                    |        | R1715    | 1-216-041-00 | RES,CHIP 470 5% 1/10W     |        |
| Q1706    | 8-729-422-27 | TRANSISTOR 2SD601A-Q                    |        | R1716    | 1-216-041-00 | RES,CHIP 470 5% 1/10W     |        |
| Q1707    | 8-729-027-56 | TRANSISTOR DTC143TKA-T146               |        | R1717    | 1-216-041-00 | RES,CHIP 470 5% 1/10W     |        |
| Q1708    | 8-729-027-56 | TRANSISTOR DTC143TKA-T146               |        | R1718    | 1-216-041-00 | RES,CHIP 470 5% 1/10W     |        |
| Q1709    | 8-729-027-56 | TRANSISTOR DTC143TKA-T146               |        | R1719    | 1-216-113-00 | RES,CHIP 470K 5% 1/10W    |        |
| Q1710    | 8-729-027-56 | TRANSISTOR DTC143TKA-T146               |        | R1720    | 1-216-113-00 | RES,CHIP 470K 5% 1/10W    |        |
| Q1711    | 8-729-216-22 | TRANSISTOR 2SA1162-G                    |        | R1721    | 1-216-089-91 | RES,CHIP 47K 5% 1/10W     |        |
| Q1712    | 8-729-216-22 | TRANSISTOR 2SA1162-G                    |        | R1722    | 1-216-113-00 | RES,CHIP 470K 5% 1/10W    |        |
| Q1713    | 8-729-422-27 | TRANSISTOR 2SD601A-Q                    |        | R1723    | 1-216-113-00 | RES,CHIP 470K 5% 1/10W    |        |
| Q1714    | 8-729-422-27 | TRANSISTOR 2SD601A-Q                    |        | R1724    | 1-216-089-91 | RES,CHIP 47K 5% 1/10W     |        |
| Q1715    | 8-729-422-27 | TRANSISTOR 2SD601A-Q                    |        | R1725    | 1-216-113-00 | RES,CHIP 470K 5% 1/10W    |        |
| Q1716    | 8-729-422-27 | TRANSISTOR 2SD601A-Q                    |        | R1726    | 1-216-113-00 | RES,CHIP 470K 5% 1/10W    |        |
| Q1717    | 8-729-422-27 | TRANSISTOR 2SD601A-Q                    |        | R1727    | 1-216-022-00 | RES,CHIP 75 5% 1/10W      |        |
| Q1718    | 8-729-422-27 | TRANSISTOR 2SD601A-Q                    |        | R1728    | 1-216-022-00 | RES,CHIP 75 5% 1/10W      |        |
| Q1723    | 8-729-216-22 | TRANSISTOR 2SA1162-G                    |        | R1729    | 1-216-022-00 | RES,CHIP 75 5% 1/10W      |        |
| Q1724    | 8-729-422-27 | TRANSISTOR 2SD601A-Q                    |        | R1730    | 1-216-113-00 | RES,CHIP 470K 5% 1/10W    |        |
| Q1725    | 8-729-422-27 | TRANSISTOR 2SD601A-Q                    |        | R1731    | 1-216-113-00 | RES,CHIP 470K 5% 1/10W    |        |
| Q1726    | 8-729-422-27 | TRANSISTOR 2SD601A-Q                    |        | R1732    | 1-216-022-00 | RES,CHIP 75 5% 1/10W      |        |
| Q1727    | 8-729-216-22 | TRANSISTOR 2SA1162-G                    |        | R1733    | 1-216-022-00 | RES,CHIP 75 5% 1/10W      |        |
| Q1728    | 8-729-216-22 | TRANSISTOR 2SA1162-G                    |        | R1734    | 1-216-022-00 | RES,CHIP 75 5% 1/10W      |        |
| Q1729    | 8-729-216-22 | TRANSISTOR 2SA1162-G                    |        | R1735    | 1-216-113-00 | RES,CHIP 470K 5% 1/10W    |        |
| Q1730    | 8-729-422-27 | TRANSISTOR 2SD601A-Q                    |        | R1736    | 1-216-113-00 | RES,CHIP 470K 5% 1/10W    |        |
| Q1731    | 8-729-422-27 | TRANSISTOR 2SD601A-Q                    |        | R1737    | 1-216-019-00 | RES,CHIP 56 5% 1/10W      |        |
| Q1732    | 8-729-422-27 | TRANSISTOR 2SD601A-Q                    |        | R1738    | 1-216-017-91 | RES,CHIP 47 5% 1/10W      |        |
| Q1733    | 8-729-216-22 | TRANSISTOR 2SA1162-G                    |        | R1739    | 1-216-049-91 | RES,CHIP 1K 5% 1/10W      |        |
| Q1734    | 8-729-216-22 | TRANSISTOR 2SA1162-G                    |        | R1740    | 1-216-049-91 | RES,CHIP 1K 5% 1/10W      |        |
| Q1735    | 8-729-216-22 | TRANSISTOR 2SA1162-G                    |        | R1741    | 1-216-041-00 | RES,CHIP 470 5% 1/10W     |        |
| Q2001    | 8-729-422-27 | TRANSISTOR 2SD601A-Q                    |        | R1742    | 1-216-041-00 | RES,CHIP 470 5% 1/10W     |        |
| Q2002    | 8-729-422-27 | TRANSISTOR 2SD601A-Q                    |        | R1743    | 1-216-057-00 | RES,CHIP 2.2K 5% 1/10W    |        |
| Q2003    | 8-729-216-22 | TRANSISTOR 2SA1162-G                    |        | R1744    | 1-216-073-00 | RES,CHIP 10K 5% 1/10W     |        |
| Q2004    | 8-729-216-22 | TRANSISTOR 2SA1162-G                    |        | R1745    | 1-216-041-00 | RES,CHIP 470 5% 1/10W     |        |
|          |              |   |        | R1746    | 1-216-041-00 | RES,CHIP 470 5% 1/10W     |        |
|          |              |   |        | R1747    | 1-216-041-00 | RES,CHIP 470 5% 1/10W     |        |
|          |              |   |        | R1748    | 1-216-041-00 | RES,CHIP 470 5% 1/10W     |        |
|          |              |   |        | R1749    | 1-216-019-00 | RES,CHIP 56 5% 1/10W      |        |
|          |              |   |        | R1750    | 1-216-017-91 | RES,CHIP 47 5% 1/10W      |        |



| REF. NO. | PART NO.     | DESCRIPTION | REMARK           | REF. NO.                                    | PART NO.     | DESCRIPTION                     | REMARK        |
|----------|--------------|-------------|------------------|---|--------------|---------------------------------|---------------|
| R1751    | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      | R1826                                       | 1-216-025-91 | RES,CHIP                        | 100 5% 1/10W  |
| R1752    | 1-216-049-91 | RES,CHIP    | 1K 5% 1/10W      | R1828                                       | 1-216-065-91 | RES,CHIP                        | 4.7K 5% 1/10W |
| R1753    | 1-216-057-00 | RES,CHIP    | 2.2K 5% 1/10W    | R1829                                       | 1-216-025-91 | RES,CHIP                        | 100 5% 1/10W  |
| R1754    | 1-216-073-00 | RES,CHIP    | 10K 5% 1/10W     | R1830                                       | 1-216-025-91 | RES,CHIP                        | 100 5% 1/10W  |
| R1755    | 1-216-065-91 | RES,CHIP    | 4.7K 5% 1/10W    | R1831                                       | 1-216-065-91 | RES,CHIP                        | 4.7K 5% 1/10W |
| R1756    | 1-216-089-91 | RES,CHIP    | 47K 5% 1/10W     | R1832                                       | 1-216-025-91 | RES,CHIP                        | 100 5% 1/10W  |
| R1757    | 1-216-065-91 | RES,CHIP    | 4.7K 5% 1/10W    | R1833                                       | 1-216-025-91 | RES,CHIP                        | 100 5% 1/10W  |
| R1758    | 1-216-089-91 | RES,CHIP    | 47K 5% 1/10W     | R1834                                       | 1-216-025-91 | RES,CHIP                        | 100 5% 1/10W  |
| R1759    | 1-216-017-91 | RES,CHIP    | 47 5% 1/10W      | R1837                                       | 1-216-065-91 | RES,CHIP                        | 4.7K 5% 1/10W |
| R1760    | 1-216-009-91 | RES,CHIP    | 22 5% 1/10W      | R1838                                       | 1-216-025-91 | RES,CHIP                        | 100 5% 1/10W  |
| R1761    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R1839                                       | 1-216-065-91 | RES,CHIP                        | 4.7K 5% 1/10W |
| R1769    | 1-216-057-00 | RES,CHIP    | 2.2K 5% 1/10W    | R1840                                       | 1-216-025-91 | RES,CHIP                        | 100 5% 1/10W  |
| R1772    | 1-216-047-91 | RES,CHIP    | 820 5% 1/10W     | R1841                                       | 1-216-065-91 | RES,CHIP                        | 4.7K 5% 1/10W |
| R1777    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R1842                                       | 1-216-025-91 | RES,CHIP                        | 100 5% 1/10W  |
| R1778    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R1843                                       | 1-216-065-91 | RES,CHIP                        | 4.7K 5% 1/10W |
| R1779    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R1844                                       | 1-216-025-91 | RES,CHIP                        | 100 5% 1/10W  |
| R1780    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R1845                                       | 1-216-025-91 | RES,CHIP                        | 100 5% 1/10W  |
| R1781    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R1846                                       | 1-216-025-91 | RES,CHIP                        | 100 5% 1/10W  |
| R1782    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R1847                                       | 1-216-025-91 | RES,CHIP                        | 100 5% 1/10W  |
| R1783    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R1848                                       | 1-216-089-91 | RES,CHIP                        | 47K 5% 1/10W  |
| R1784    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R1849                                       | 1-216-089-91 | RES,CHIP                        | 47K 5% 1/10W  |
| R1785    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R1850                                       | 1-216-089-91 | RES,CHIP                        | 47K 5% 1/10W  |
| R1786    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R2001                                       | 1-216-041-00 | RES,CHIP                        | 470 5% 1/10W  |
| R1787    | 1-216-653-11 | METAL CHIP  | 1.2K 0.50% 1/10W | R2002                                       | 1-216-065-91 | RES,CHIP                        | 4.7K 5% 1/10W |
| R1788    | 1-216-041-00 | RES,CHIP    | 470 5% 1/10W     | R2003                                       | 1-216-073-00 | RES,CHIP                        | 10K 5% 1/10W  |
| R1789    | 1-216-653-11 | METAL CHIP  | 1.2K 0.50% 1/10W | R2004                                       | 1-216-089-91 | RES,CHIP                        | 47K 5% 1/10W  |
| R1790    | 1-216-041-00 | RES,CHIP    | 470 5% 1/10W     | R2005                                       | 1-216-073-00 | RES,CHIP                        | 10K 5% 1/10W  |
| R1791    | 1-216-655-11 | RES,CHIP    | 1.5K 0.50% 1/10W | R2006                                       | 1-216-089-91 | RES,CHIP                        | 47K 5% 1/10W  |
| R1792    | 1-208-776-11 | RES,CHIP    | 560 0.50% 1/10W  | R2007                                       | 1-216-057-00 | RES,CHIP                        | 2.2K 5% 1/10W |
| R1793    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R2008                                       | 1-216-105-91 | RES,CHIP                        | 220K 5% 1/10W |
| R1794    | 1-216-057-00 | RES,CHIP    | 2.2K 5% 1/10W    | R2009                                       | 1-216-097-91 | RES,CHIP                        | 100K 5% 1/10W |
| R1795    | 1-216-093-91 | RES,CHIP    | 68K 5% 1/10W     | R2010                                       | 1-216-065-91 | RES,CHIP                        | 4.7K 5% 1/10W |
| R1796    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R2011                                       | 1-216-089-91 | RES,CHIP                        | 47K 5% 1/10W  |
| R1797    | 1-216-065-91 | RES,CHIP    | 4.7K 5% 1/10W    | R2018                                       | 1-216-073-00 | RES,CHIP                        | 10K 5% 1/10W  |
| R1798    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R2020                                       | 1-216-073-00 | RES,CHIP                        | 10K 5% 1/10W  |
| R1799    | 1-216-057-00 | RES,CHIP    | 2.2K 5% 1/10W    | R2022                                       | 1-216-073-00 | RES,CHIP                        | 10K 5% 1/10W  |
| R1800    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | R2024                                       | 1-216-025-91 | RES,CHIP                        | 100 5% 1/10W  |
| R1801    | 1-216-065-91 | RES,CHIP    | 4.7K 5% 1/10W    | <TERMINAL BOARD>                            |              |                                 |               |
| R1806    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | TB1701                                      | 1-537-712-11 | TERMINAL, PUSH (CENTER SPEAKER) |               |
| R1807    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | *****                                       |              |                                 |               |
| R1808    | 1-216-057-00 | RES,CHIP    | 2.2K 5% 1/10W    | * A-1316-437-A G BOARD, COMPLETE (53V80)    |              |                                 |               |
| R1810    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | *****                                       |              |                                 |               |
| R1811    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | * A-1316-471-A G BOARD, COMPLETE (48/61V80) |              |                                 |               |
| R1812    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | *****                                       |              |                                 |               |
| R1813    | 1-216-065-91 | RES,CHIP    | 4.7K 5% 1/10W    | 1-533-223-11 HOLDER, FUSE                   |              |                                 |               |
| R1814    | 1-216-653-11 | METAL CHIP  | 1.2K 0.50% 1/10W | 1-923-106-33 WIREUL1007 AWG24 160MM BLK     |              |                                 |               |
| R1815    | 1-216-041-00 | RES,CHIP    | 470 5% 1/10W     | 1-923-514-77 WIREUL1007 AWG24 35MM BLK      |              |                                 |               |
| R1816    | 1-216-653-11 | METAL CHIP  | 1.2K 0.50% 1/10W | * 4-039-590-01 SHIELD, TRANSFORMER          |              |                                 |               |
| R1817    | 1-216-041-00 | RES,CHIP    | 470 5% 1/10W     | 4-382-854-11 SCREW(M3X10), P, SW (+)        |              |                                 |               |
| R1818    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     | 7-682-952-09 SCREW+PSW 3X16                 |              |                                 |               |
| R1819    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     |   |              |                                 |               |
| R1820    | 1-216-655-11 | RES,CHIP    | 1.5K 0.50% 1/10W |   |              |                                 |               |
| R1821    | 1-208-784-11 | RES,CHIP    | 1.2K 0.50% 1/10W |   |              |                                 |               |
| R1822    | 1-216-065-91 | RES,CHIP    | 4.7K 5% 1/10W    |   |              |                                 |               |
| R1823    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     |   |              |                                 |               |
| R1824    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     |   |              |                                 |               |
| R1825    | 1-216-025-91 | RES,CHIP    | 100 5% 1/10W     |   |              |                                 |               |






Les composants identifiés par une trame et une marque sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.


The components identified by shading and mark are critical for safety. Replace only with part number specified.

• The components identified by in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

| REF. NO.    | PART NO.     | DESCRIPTION | REMARK            |
|-------------|--------------|-------------|-------------------|
| <CAPACITOR> |              |             |                   |
| C501        | 1-126-959-11 | ELECT       | 0.47MF 20% 50V    |
| C502        | 1-102-002-00 | CERAMIC     | 680PF 10% 500V    |
| C505        | 1-106-383-00 | MYLAR       | 0.047MF 10% 200V  |
| C506        | 1-102-212-00 | CERAMIC     | 820PF 10% 500V    |
| C508        | 1-102-002-00 | CERAMIC     | 680PF 10% 500V    |
| C510        | 1-130-471-00 | MYLAR       | 0.001MF 5% 50V    |
| C513        | 1-126-933-11 | ELECT       | 100MF 20% 16V     |
| C514        | 1-130-495-00 | MYLAR       | 0.1MF 5% 50V      |
| C515        | 1-126-960-11 | ELECT       | 1MF 20% 50V       |
| C516        | 1-126-965-11 | ELECT       | 22MF 20% 50V      |
| C517        | 1-162-134-11 | CERAMIC     | 470PF 10% 2KV     |
| C518        | 1-130-487-00 | MYLAR       | 0.022MF 5% 50V    |
| C521        | 1-128-660-91 | FILM        | 0.039MF 3% 630V   |
| C522        | 1-117-658-11 | FILM        | 14000PF 3% 1.2KV  |
| C525        | 1-136-479-11 | FILM        | 0.001MF 5% 50V    |
| C526        | 1-130-475-00 | MYLAR       | 0.0022MF 5% 50V   |
| C527        | 1-129-702-00 | FILM        | 0.001MF 5% 630V   |
| C529        | 1-130-495-00 | MYLAR       | 0.1MF 5% 50V      |
| C531        | 1-117-673-11 | FILM        | 1.5MF 5% 250V     |
| C533        | 1-106-359-00 | MYLAR       | 0.0047MF 5% 100V  |
| C534        | 1-162-116-00 | CERAMIC     | 680PF 10% 2KV     |
| C535        | 1-162-116-00 | CERAMIC     | 680PF 10% 2KV     |
| C536        | 1-126-965-11 | ELECT       | 22MF 20% 50V      |
| C537        | 1-102-244-00 | CERAMIC     | 220PF 10% 500V    |
| C538        | 1-106-359-00 | MYLAR       | 0.0047MF 5% 100V  |
| C540        | 1-107-645-11 | ELECT       | 22MF 20% 160V     |
| C542        | 1-102-228-00 | CERAMIC     | 470PF 10% 500V    |
| C543        | 1-117-813-11 | FILM        | 0.75MF 5% 250V    |
| C544        | 1-110-626-11 | ELECT       | 330MF 20% 160V    |
| C545        | 1-162-114-00 | CERAMIC     | 0.0047MF 2KV      |
| C546        | 1-107-649-11 | ELECT       | 2.2MF 20% 250V    |
| C547        | 1-126-971-11 | ELECT       | 470MF 20% 50V     |
| C548        | 1-104-665-11 | ELECT       | 100MF 20% 25V     |
| C549        | 1-130-489-00 | MYLAR       | 0.033MF 5% 50V    |
| C550        | 1-104-665-11 | ELECT       | 100MF 20% 25V     |
| C551        | 1-126-971-11 | ELECT       | 470MF 20% 50V     |
| C552        | 1-130-489-00 | MYLAR       | 0.033MF 5% 50V    |
| C553        | 1-126-935-11 | ELECT       | 470MF 20% 16V     |
| C554        | 1-126-935-11 | ELECT       | 470MF 20% 16V     |
| C555        | 1-104-665-11 | ELECT       | 100MF 20% 25V     |
| C556        | 1-104-665-11 | ELECT       | 100MF 20% 25V     |
| C557        | 1-128-562-11 | ELECT       | 47MF 20% 100V     |
| C563        | 1-104-664-11 | ELECT       | 47MF 20% 25V      |
| C564        | 1-102-129-00 | CERAMIC     | 0.01MF 10% 50V    |
| C565        | 1-102-129-00 | CERAMIC     | 0.01MF 10% 50V    |
| C566        | 1-104-666-11 | ELECT       | 220MF 20% 25V     |
| C567        | 1-106-387-00 | MYLAR       | 0.068MF 5% 200V   |
| C601        | 1-136-311-11 | FILM        | 0.47MF 20% 125V   |
| C602        | 1-129-722-00 | FILM        | 0.047MF 5% 630V   |
| C604        | 1-113-920-11 | CERAMIC     | 0.0022MF 20% 250V |
| C606        | 1-113-920-11 | CERAMIC     | 0.0022MF 20% 250V |
| C607        | 1-136-311-11 | FILM        | 0.47MF 20% 125V   |
| C608        | 1-107-670-11 | ELECT       | 10MF 20% 400V     |
| C609        | 1-130-467-00 | MYLAR       | 470PF 5% 50V      |
| C610        | 1-130-471-00 | MYLAR       | 0.001MF 5% 50V    |

| REF. NO. | PART NO.     | DESCRIPTION  | REMARK           |
|----------|--------------|--------------|------------------|
| C611     | 1-104-350-11 | ELECT(BLOCK) | 1000MF 20% 250V  |
| C612     | 1-104-350-11 | ELECT(BLOCK) | 1000MF 20% 250V  |
| C613     | 1-136-165-00 | FILM         | 0.1MF 5% 50V     |
| C614     | 1-130-467-00 | MYLAR        | 470PF 5% 50V     |
| C615     | 1-104-331-11 | CERAMIC      | 0.0022MF 10% 1KV |
| C616     | 1-130-471-00 | MYLAR        | 0.001MF 5% 50V   |
| C617     | 1-137-605-11 | FILM         | 0.01MF 10% 250V  |
| C618     | 1-126-965-11 | ELECT        | 22MF 20% 50V     |
| C619     | 1-104-664-11 | ELECT        | 47MF 20% 16V     |
| C620     | 1-136-175-00 | FILM         | 0.68MF 5% 50V    |
| C621     | 1-136-175-00 | FILM         | 0.68MF 5% 50V    |
| C622     | 1-136-171-00 | FILM         | 0.33MF 5% 50V    |
| C623     | 1-136-171-00 | FILM         | 0.33MF 5% 50V    |
| C624     | 1-104-330-91 | CERAMIC      | 470PF 10% 1KV    |
| C625     | 1-104-664-11 | ELECT        | 47MF 20% 16V     |
| C626     | 1-104-664-11 | ELECT        | 47MF 20% 16V     |
| C651     | 1-164-644-11 | CERAMIC      | 330PF 10% 500V   |
| C654     | 1-126-953-11 | ELECT        | 2200MF 20% 35V   |
| C655     | 1-126-953-11 | ELECT        | 2200MF 20% 35V   |
| C656     | 1-102-121-00 | CERAMIC      | 0.0022MF 10% 50V |
| C657     | 1-126-768-11 | ELECT        | 2200MF 20% 16V   |
| C658     | 1-126-943-11 | ELECT        | 2200MF 20% 25V   |
| C659     | 1-126-943-11 | ELECT        | 2200MF 20% 25V   |
| C662     | 1-123-024-21 | ELECT        | 33MF 160V        |
| C663     | 1-104-665-11 | ELECT        | 100MF 20% 25V    |
| C664     | 1-107-910-11 | ELECT        | 100MF 20% 35V    |
| C665     | 1-126-934-11 | ELECT        | 220MF 20% 10V    |
| C666     | 1-126-927-11 | ELECT        | 2200MF 20% 10V   |
| C667     | 1-104-664-11 | ELECT        | 47MF 20% 25V     |
| C668     | 1-104-664-11 | ELECT        | 47MF 20% 25V     |
| C669     | 1-104-664-11 | ELECT        | 47MF 20% 25V     |
| C670     | 1-106-343-00 | MYLAR        | 0.001MF 10% 200V |
| C671     | 1-106-343-00 | MYLAR        | 0.001MF 10% 200V |
| C672     | 1-104-664-11 | ELECT        | 47MF 20% 25V     |
| C673     | 1-126-960-11 | ELECT        | 1MF 20% 50V      |
| C674     | 1-104-664-11 | ELECT        | 47MF 20% 25V     |
| C676     | 1-126-940-11 | ELECT        | 330MF 20% 25V    |
| C678     | 1-104-665-11 | ELECT        | 100MF 20% 25V    |
| C679     | 1-104-664-11 | ELECT        | 47MF 20% 25V     |
| C680     | 1-128-551-11 | ELECT        | 22MF 20% 25V     |
| C1501    | 1-130-495-00 | MYLAR        | 0.1MF 5% 50V     |
| C1502    | 1-126-941-11 | ELECT        | 470MF 20% 25V    |
| C1504    | 1-102-106-00 | CERAMIC      | 100PF 10% 50V    |
| C1505    | 1-104-664-11 | ELECT        | 47MF 20% 25V     |
| C1506    | 1-102-106-00 | CERAMIC      | 100PF 10% 50V    |
| C1507    | 1-126-942-61 | ELECT        | 1000MF 20% 25V   |
| C1508    | 1-102-121-00 | CERAMIC      | 0.0022MF 10% 50V |
| C1510    | 1-126-941-11 | ELECT        | 470MF 20% 25V    |
| C1512    | 1-126-933-11 | ELECT        | 100MF 20% 16V    |
| C1516    | 1-104-665-11 | ELECT        | 100MF 20% 25V    |
| C1518    | 1-102-129-00 | CERAMIC      | 0.01MF 10% 50V   |
| C1519    | 1-102-106-00 | CERAMIC      | 100PF 10% 50V    |
| C1520    | 1-126-933-11 | ELECT        | 100MF 20% 16V    |
| C1521    | 1-126-941-11 | ELECT        | 470MF 20% 25V    |
| C1522    | 1-126-941-11 | ELECT        | 470MF 20% 25V    |
| C1523    | 1-126-964-11 | ELECT        | 10MF 20% 50V     |
| C1524    | 1-102-106-00 | CERAMIC      | 100PF 10% 50V    |


Les composants identifiés par une trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark  are critical for safety. Replace only with part number specified.

**KP-48V80/53V80/61V80**


RM-Y905 RM-Y905 RM-Y905


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
| REF. NO.    | PART NO.       | DESCRIPTION                   | REMARK   |       | REF. NO. | PART NO.     | DESCRIPTION  | REMARK                |
|-------------|----------------|-------------------------------|----------|-------|----------|--------------|--|-----------------------|
| C1525       | 1-102-852-91   | CERAMIC                       | 47PF     | 5%    | 50V      | <DIODE>      |  |                       |
| C1526       | 1-136-177-00   | FILM                          | 1MF      | 5%    | 50V      | D501         | 8-719-109-85   | DIODE RD5.1ESB2       |
| C1527       | 1-102-129-00   | CERAMIC                       | 0.01MF   | 10%   | 50V      | D505         | 8-719-110-41   | DIODE RD15ESB2        |
| C1528       | 1-126-941-11   | ELECT                         | 470MF    | 20%   | 25V      | D506         | 8-719-921-63   | DIODE MTZJ-7.5B       |
| C1530       | 1-102-106-00   | CERAMIC                       | 100PF    | 10%   | 50V      | D507         | 8-719-991-33   | DIODE 1SS133T-77      |
| C1531       | 1-102-106-00   | CERAMIC                       | 100PF    | 10%   | 50V      | D513         | 8-719-991-33   | DIODE 1SS133T-77      |
| C1533       | 1-126-941-11   | ELECT                         | 470MF    | 20%   | 25V      | D517         | 8-719-979-85   | DIODE EGP20G          |
| C1534       | 1-102-129-00   | CERAMIC                       | 0.01MF   | 10%   | 50V      | D518         | 8-719-945-80   | DIODE ERC06-15S       |
| C1536       | 1-102-106-00   | CERAMIC                       | 100PF    | 10%   | 50V      | D520         | 8-719-302-43   | DIODE ELIZ            |
| C1537       | 1-102-129-00   | CERAMIC                       | 0.01MF   | 10%   | 50V      | D522         | 8-719-302-43   | DIODE ELIZ            |
| C1538       | 1-126-941-11   | ELECT                         | 470MF    | 20%   | 25V      | D525         | 8-719-018-82   | DIODE RGP02-20EL-6394 |
| C1539       | 1-104-665-11   | ELECT                         | 100MF    | 20%   | 25V      | D526         | 8-719-018-82   | DIODE RGP02-20EL-6394 |
| C1540       | 1-126-941-11   | ELECT                         | 470MF    | 20%   | 25V      | D528         | 8-719-908-03   | DIODE GP08D           |
| C1541       | 1-102-129-00   | CERAMIC                       | 0.01MF   | 10%   | 50V      | D529         | 8-719-302-43   | DIODE ELIZ            |
| C1542       | 1-102-129-00   | CERAMIC                       | 0.01MF   | 10%   | 50V      | D530         | 8-719-991-33   | DIODE 1SS133T-77      |
| C1545       | 1-126-933-11   | ELECT                         | 100MF    | 20%   | 16V      | D531         | 8-719-991-33   | DIODE 1SS133T-77      |
| C1546       | 1-102-129-00   | CERAMIC                       | 0.01MF   | 10%   | 50V      | D532         | 8-719-908-03   | DIODE GP08D           |
| C1547       | 1-130-487-00   | MYLAR                         | 0.022MF  | 5%    | 50V      | D533         | 8-719-302-43   | DIODE ELIZ            |
| C1548       | 1-136-177-00   | FILM                          | 1MF      | 5%    | 50V      | D534         | 8-719-302-43   | DIODE ELIZ            |
| C1549       | 1-130-471-00   | MYLAR                         | 0.001MF  | 5%    | 50V      | D601         | 8-719-068-00   | DIODE ERC04-06SE      |
| C1550       | 1-104-665-11   | ELECT                         | 100MF    | 20%   | 25V      | D602         | 8-719-068-00   | DIODE ERC04-06SE      |
| C1551       | 1-102-121-00   | CERAMIC                       | 0.0022MF | 10%   | 50V      | D603         |  8-719-510-53 | DIODE D4SB60L         |
| C1552       | 1-106-220-00   | MYLAR                         | 0.1MF    | 5%    | 100V     | D604         | 8-719-110-41   | DIODE RD15ESB2        |
| C1553       | 1-107-504-11   | CERAMIC                       | 10PF     | 0.5PF | 500V     | D605         | 8-719-110-49   | DIODE RD18ESB2        |
| C1555       | 1-104-665-11   | ELECT                         | 100MF    | 20%   | 25V      | D607         | 8-719-991-33   | DIODE 1SS133T-77      |
| C1556       | 1-104-665-11   | ELECT                         | 100MF    | 20%   | 25V      | D609         | 8-719-948-45   | DIODE ERA22-08        |
| C1557       | 1-126-969-11   | ELECT                         | 220MF    | 20%   | 50V      | D610         | 8-719-510-48   | DIODE D1N20R          |
| C1559       | 1-137-401-11   | FILM                          | 0.22MF   | 5%    | 100V     | D651         | 8-719-063-70   | DIODE D1NL20U         |
| C1560       | 1-126-942-61   | ELECT                         | 1000MF   | 20%   | 25V      | D652         | 8-719-028-45   | DIODE D2L20U          |
| C1561       | 1-102-121-00   | CERAMIC                       | 0.0022MF | 10%   | 50V      | D653         | 8-719-028-45   | DIODE D2L20U          |
| C1562       | 1-102-129-00   | CERAMIC                       | 0.01MF   | 10%   | 50V      | D654         | 8-719-057-96   | DIODE D10SC6M-4012    |
| C1563       | 1-137-370-11   | FILM                          | 0.01MF   | 5%    | 50V      | D655         | 8-719-052-91   | DIODE D4SBS4-F        |
| C1566       | 1-137-370-11   | FILM                          | 0.01MF   | 5%    | 50V      | D656         | 8-719-028-45   | DIODE D2L20U          |
| C1570       | 1-137-374-11   | FILM                          | 0.047MF  | 5%    | 50V      | D657         | 8-719-028-45   | DIODE D2L20U          |
| <CONNECTOR> |                |                               |          |       | D658     | 8-719-063-70 | DIODE D1NL20U  |                       |
| CN501       | * 1-779-890-11 | CONNECTOR, BOARD TO BOARD 10P |          |       | D659     | 8-719-063-70 | DIODE D1NL20U  |                       |
| CN502       | * 1-506-371-00 | PIN, CONNECTOR 2P             |          |       | D660     | 8-719-028-45 | DIODE D2L20U   |                       |
| CN503       | * 1-564-513-11 | PLUG, CONNECTOR 10P           |          |       | D661     | 8-719-991-33 | DIODE 1SS133T-77   |                       |
| CN504       | * 1-580-689-11 | PIN, CONNECTOR (PC BOARD) 4P  |          |       | D662     | 8-719-991-33 | DIODE 1SS133T-77   |                       |
| CN505       | * 1-580-689-11 | PIN, CONNECTOR (PC BOARD) 4P  |          |       | D663     | 8-719-991-33 | DIODE 1SS133T-77   |                       |
| CN506       | * 1-580-689-11 | PIN, CONNECTOR (PC BOARD) 4P  |          |       | D664     | 8-719-981-94 | DIODE MTZJ-2.7A  |                       |
| CN507       | * 1-691-134-11 | PIN, CONNECTOR (PC BOARD) 2P  |          |       | D665     | 8-719-991-33 | DIODE 1SS133T-77   |                       |
| CN601       | * 1-580-843-11 | PIN, CONNECTOR (POWER)        |          |       | D666     | 8-719-991-33 | DIODE 1SS133T-77   |                       |
| CN605       | * 1-779-890-11 | CONNECTOR, BOARD TO BOARD 10P |          |       | D667     | 8-719-032-12 | DIODE D1NS6  |                       |
| CN651       | * 1-779-890-11 | CONNECTOR, BOARD TO BOARD 10P |          |       | D668     | 8-719-110-61 | DIODE RD24ESB1   |                       |
| CN652       | * 1-573-963-11 | PIN, CONNECTOR (PC BOARD) 3P  |          |       | D669     | 8-719-921-86 | DIODE MTZJ-13  |                       |
| CN653       | 1-695-915-11   | TAB (CONTACT)                 |          |       | D670     | 8-719-027-22 | DIODE D3S6M-F  |                       |
| CN1501      | * 1-564-507-11 | PLUG, CONNECTOR 4P            |          |       | D671     | 8-719-027-22 | DIODE D3S6M-F  |                       |
| CN1502      | * 1-779-890-11 | CONNECTOR, BOARD TO BOARD 10P |          |       | D673     | 8-719-991-33 | DIODE 1SS133T-77   |                       |
| CN1503      | * 1-564-507-11 | PLUG, CONNECTOR 4P            |          |       | D674     | 8-719-991-33 | DIODE 1SS133T-77   |                       |
| CN1504      | * 1-564-507-11 | PLUG, CONNECTOR 4P            |          |       | D675     | 8-719-110-17 | DIODE RD10ESB2   |                       |
| CN1505      | * 1-564-507-11 | PLUG, CONNECTOR 4P            |          |       | D676     | 8-719-109-72 | DIODE RD3.9ESB2  |                       |
| CN1506      | * 1-564-506-11 | PLUG, CONNECTOR 3P            |          |       | D677     | 8-719-991-33 | DIODE 1SS133T-77   |                       |
| CN1507      | * 1-564-506-11 | PLUG, CONNECTOR 3P            |          |       | D680     | 8-719-991-33 | DIODE 1SS133T-77   |                       |
| CN1508      | * 1-564-506-11 | PLUG, CONNECTOR 3P            |          |       | D1501    | 8-719-109-89 | DIODE RD5.6ESB2  |                       |
|             |                |                               |          |       | D1503    | 8-719-921-40 | DIODE MTZJ-4.7C  |                       |



| REF. NO. | PART NO.     | DESCRIPTION |              | REMARK | REF. NO. | PART NO.     | DESCRIPTION |      | REMARK |  |  |  |
|----------|--------------|-------------|--------------|--------|----------|--------------|-------------|------|--------|--|--|--|
| D1504    | 8-719-110-08 | DIODE       | RD8.2ESB2    |        | L1509    | 1-412-533-21 | INDUCTOR    | 47UH |        |  |  |  |
| D1505    | 8-719-110-41 | DIODE       | RD15ESB2     |        |          |              |             |      |        |  |  |  |
| D1506    | 8-719-110-41 | DIODE       | RD15ESB2     |        | L1510    | 1-412-533-21 | INDUCTOR    | 47UH |        |  |  |  |
| D1507    | 8-719-110-41 | DIODE       | RD15ESB2     |        | L1511    | 1-412-533-21 | INDUCTOR    | 47UH |        |  |  |  |
| D1509    | 8-719-110-41 | DIODE       | RD15ESB2     |        | L1512    | 1-412-533-21 | INDUCTOR    | 47UH |        |  |  |  |
|          |              |             |              |        | L1513    | 1-412-525-31 | INDUCTOR    | 10UH |        |  |  |  |
| D1510    | 8-719-110-41 | DIODE       | RD15ESB2     |        | L1514    | 1-414-187-11 | INDUCTOR    | 47UH |        |  |  |  |
| D1513    | 8-719-110-41 | DIODE       | RD15ESB2     |        |          |              |             |      |        |  |  |  |
| D1515    | 8-719-110-41 | DIODE       | RD15ESB2     |        | L1515    | 1-414-187-11 | INDUCTOR    | 47UH |        |  |  |  |
| D1520    | 8-719-109-93 | DIODE       | RD6.2ESB2    |        |          |              |             |      |        |  |  |  |
| D1521    | 8-719-109-93 | DIODE       | RD6.2ESB2    |        |          |              |             |      |        |  |  |  |
|          |              |             |              |        |          |              |             |      |        |  |  |  |
| D1522    | 8-719-924-16 | DIODE       | MTZJ-T-77-24 |        |          |              |             |      |        |  |  |  |
| D1523    | 8-719-924-16 | DIODE       | MTZJ-T-77-24 |        | NL501    | 1-517-778-21 | LAMP, NEON  |      |        |  |  |  |
| D1525    | 8-719-908-03 | DIODE       | GP08D        |        | NL502    | 1-517-778-21 | LAMP, NEON  |      |        |  |  |  |
|          |              |             |              |        | NL503    | 1-517-778-21 | LAMP, NEON  |      |        |  |  |  |
|          |              |             |              |        | NL504    | 1-517-778-21 | LAMP, NEON  |      |        |  |  |  |
|          |              |             |              |        | NL505    | 1-517-778-21 | LAMP, NEON  |      |        |  |  |  |
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|          |              |             |              |        |          |              |             |      |        |  |  |  |
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|          |              |             |              |        |          |              |             |      |        |  |  |  |
|          |              |             |              |        |          |              |             |      |        |  |  |  |

• The components identified by  in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.









Les composants identifiés par une trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifique.

The components identified by shading and mark  are critical for safety. Replace only with part number specified.

## KP-48V80/53V80/61V80

RM-Y905 RM-Y905 RM-Y905



| REF. NO.   | PART NO.  | DESCRIPTION | REMARK        | REF. NO. | PART NO.   | DESCRIPTION | REMARK         |
|--|---|-------------|---------------|----------|--|-------------|----------------|
| R503   | 1-260-336-11  | CARBON      | 4.7K 5% 1/2W  | R583     | 1-260-117-11   | CARBON      | 33K 5% 1/2W    |
| R504   | 1-260-087-11  | CARBON      | 100 5% 1/2W   | R584     | 1-249-377-11   | CARBON      | 0.47 5% 1/4W F |
| R505   | 1-260-087-11  | CARBON      | 100 5% 1/2W   | R586     | 1-215-862-11   | METAL OXIDE | 68 5% 1W F     |
| R506   | 1-216-481-11  | METAL OXIDE | 1.2K 5% 3W F  |          |  |             | (48/61V80)     |
| R507   | 1-216-481-11  | METAL OXIDE | 1.2K 5% 3W F  | R586     | 1-215-864-00   | METAL OXIDE | 150 5% 1W F    |
| R508   | 1-216-481-11  | METAL OXIDE | 1.2K 5% 3W F  |          |  |             | (53V80)        |
| R509   | 1-260-337-11  | CARBON      | 5.6K 5% 1/2W  | R587     | 1-216-349-00   | METAL OXIDE | 1 5% 1W F      |
| R510   | 1-249-421-11  | CARBON      | 2.2K 5% 1/4W  | R588     | 1-215-862-11   | METAL OXIDE | 68 5% 1W F     |
|  |   |             |               |          |  |             | (48/61V80)     |
| R511   | 1-215-879-11  | METAL OXIDE | 47K 5% 1W F   | R588     | 1-215-864-00   | METAL OXIDE | 150 5% 1W F    |
| R512   | 1-249-422-11  | CARBON      | 2.7K 5% 1/4W  |          |  |             | (53V80)        |
| R513   | 1-249-422-11  | CARBON      | 2.7K 5% 1/4W  | R589     | 1-247-807-31   | CARBON      | 100 5% 1/4W    |
| R514   | 1-249-422-11  | CARBON      | 2.7K 5% 1/4W  | R590     | 1-260-127-11   | CARBON      | 220K 5% 1/2W   |
| R515   | 1-260-131-11  | CARBON      | 470K 5% 1/2W  | R591     | 1-216-392-11   | METAL OXIDE | 1.8 5% 3W F    |
| R517   | 1-247-895-91  | CARBON      | 470K 5% 1/4W  | R592     | 1-247-863-91   | CARBON      | 22K 5% 1/4W    |
| R519   | 1-215-445-00  | METAL       | 10K 1% 1/4W   | R593     | 1-249-429-11   | CARBON      | 10K 5% 1/4W    |
| R522   | 1-215-399-00  | METAL       | 120 1% 1/4W   | R594     | 1-249-377-11   | CARBON      | 0.47 5% 1/4W F |
| R523   | 1-247-895-91  | CARBON      | 470K 5% 1/4W  | R595     | 1-249-377-11   | CARBON      | 0.47 5% 1/4W F |
| R524   | 1-247-863-91  | CARBON      | 22K 5% 1/4W   | R596     | 1-249-377-11   | CARBON      | 0.47 5% 1/4W F |
| R525   | 1-249-428-11  | CARBON      | 8.2K 5% 1/4W  | R597     | 1-260-288-11   | CARBON      | 0.47 5% 1/2W   |
| R526   | 1-249-437-11  | CARBON      | 47K 5% 1/4W   | R598     | 1-249-377-11   | CARBON      | 0.47 5% 1/4W F |
| R527   | 1-249-428-11  | CARBON      | 8.2K 5% 1/4W  | R599     | 1-249-429-11   | CARBON      | 10K 5% 1/4W    |
| R528   | 1-249-437-11  | CARBON      | 47K 5% 1/4W   | R600     | 1-247-863-91   | CARBON      | 22K 5% 1/4W    |
| R529   | 1-247-895-91  | CARBON      | 470K 5% 1/4W  | R601     |  1-219-776-11   | CARBON      | 2.2M 10% 1/2W  |
| R530   | 1-249-428-11  | CARBON      | 8.2K 5% 1/4W  | R602     |  1-219-759-11   | CARBON      | 1M 5% 1/2W     |
| R531   | 1-249-429-11  | CARBON      | 10K 5% 1/4W   |          |  |             |                |
| R532   | 1-249-430-11  | CARBON      | 12K 5% 1/4W   | R603     |  1-240-881-11 | CMT,MELF    | 0.82 5% 20W    |
| R535   | 1-247-887-00  | CARBON      | 220K 5% 1/4W  | R604     | 1-260-298-51   | CARBON      | 3.3 5% 1/2W    |
|  R536 |  | METAL       | 1/4W          | R605     | 1-249-415-11   | CARBON      | 680 5% 1/4W    |
| R537   | 1-247-863-91  | CARBON      | 22K 5% 1/4W   | R606     |  1-240-881-11 | CMT,MELF    | 0.82 5% 20W    |
| R538   | 1-215-443-00  | METAL       | 8.2K 1% 1/4W  | R607     | 1-249-389-11   | CARBON      | 4.7 5% 1/4W F  |
| R542   | 1-249-424-11  | CARBON      | 3.9K 5% 1/4W  | R608     | 1-247-791-91   | CARBON      | 22 5% 1/4W     |
| R543   | 1-260-135-11  | CARBON      | 1M 5% 1/2W    | R609     | 1-240-205-91   | CARBON      | 22M 5% 1/2W    |
| R544   | 1-249-405-11  | CARBON      | 100 5% 1/4W F | R610     | 1-260-127-11   | CARBON      | 220K 5% 1/2W   |
|  R545 |   | METAL       | 1/4W          | R611     | 1-260-127-11   | CARBON      | 220K 5% 1/2W   |
| R546   | 1-215-456-00  | METAL       | 30K 1% 1/4W   | R612     |  1-202-933-61 | FUSIBLE     | 0.1 10% 1/2W F |
| R548   | 1-215-449-00  | METAL       | 15K 1% 1/4W   | R613     | 1-249-413-11   | CARBON      | 470 5% 1/4W    |
| R550   | 1-215-910-00  | METAL OXIDE | 68 5% 3W F    | R615     | 1-249-437-11   | CARBON      | 47K 5% 1/4W    |
| R551   | 1-215-910-00  | METAL OXIDE | 68 5% 3W F    | R616     | 1-249-421-11   | CARBON      | 2.2K 5% 1/4W   |
| R556   | 1-249-437-11  | CARBON      | 47K 5% 1/4W   | R617     | 1-216-349-00   | METAL OXIDE | 1 5% 1W F      |
| R563   | 1-247-887-00  | CARBON      | 220K 5% 1/4W  | R618     | 1-260-127-11   | CARBON      | 220K 5% 1/2W   |
| R566   | 1-215-868-00  | METAL OXIDE | 680 5% 1W F   | R619     | 1-216-349-00   | METAL OXIDE | 1 5% 1W F      |
| R567   | 1-249-437-11  | CARBON      | 47K 5% 1/4W   | R620     | 1-215-493-00   | METAL       | 1M 1% 1/4W     |
| R568   | 1-249-405-11  | CARBON      | 100 5% 1/4W F | R621     | 1-260-127-11   | CARBON      | 220K 5% 1/2W   |
| R569   | 1-260-314-11  | CARBON      | 68 5% 1/2W    | R622     | 1-249-441-11   | CARBON      | 100K 5% 1/4W   |
| R570   | 1-247-807-31  | CARBON      | 100 5% 1/4W   | R623     | 1-260-127-11   | CARBON      | 220K 5% 1/2W   |
| R571   | 1-215-917-11  | METAL OXIDE | 1K 5% 3W F    | R624     | 1-260-127-11   | CARBON      | 220K 5% 1/2W   |
| R572   | 1-216-490-11  | METAL OXIDE | 39K 5% 3W F   | R651     | 1-249-387-11   | CARBON      | 3.3 5% 1/4W    |
| R573   | 1-214-912-00  | METAL       | 91K 1% 1/2W   | R652     | 1-249-377-11   | CARBON      | 0.47 5% 1/4W F |
| R574   | 1-216-490-11  | METAL OXIDE | 39K 5% 3W F   | R654     | 1-216-361-00   | METAL OXIDE | 0.22 5% 2W F   |
| R575   | 1-247-863-91  | CARBON      | 22K 5% 1/4W   | R655     | 1-260-288-11   | CARBON      | 0.47 5% 1/2W   |
| R576   | 1-247-881-00  | CARBON      | 120K 5% 1/4W  | R656     | 1-249-377-11   | CARBON      | 0.47 5% 1/4W F |
| R577   | 1-214-923-00  | METAL       | 270K 1% 1/2W  | R657     | 1-215-421-00   | METAL       | 1K 1% 1/4W     |
| R578   | 1-216-490-11  | METAL OXIDE | 39K 5% 3W F   | R658     | 1-249-429-11   | CARBON      | 10K 5% 1/4W    |
| R579   | 1-216-490-11  | METAL OXIDE | 39K 5% 3W F   | R659     | 1-215-450-00   | METAL       | 16K 1% 1/4W    |
| R580   | 1-249-413-11  | CARBON      | 470 5% 1/4W   | R660     | 1-215-439-00   | METAL       | 5.6K 1% 1/4W   |
| R581   | 1-247-807-31  | CARBON      | 100 5% 1/4W   | R661     | 1-215-481-00   | METAL       | 330K 1% 1/4W   |
| R582   | 1-260-292-11  | CARBON      | 1 5% 1/2W     | R662     | 1-215-445-00   | METAL       | 10K 1% 1/4W    |





# KP-48V80/53V80/61V80

RM-Y905 RM-Y905 RM-Y905



| REF. NO. | PART NO.     | DESCRIPTION | REMARK       | REF. NO. | PART NO.     | DESCRIPTION | REMARK        |
|----------|--------------|-------------|--------------|----------|--------------|-------------|---------------|
| R663     | 1-215-445-00 | METAL       | 10K 1% 1/4W  | R1532    | 1-214-800-11 | METAL       | 2.2 1% 1/2W   |
| R664     | 1-249-425-11 | CARBON      | 4.7K 5% 1/4W | R1534    | 1-214-800-11 | METAL       | 2.2 1% 1/2W   |
| R665     | 1-249-425-11 | CARBON      | 4.7K 5% 1/4W | R1535    | 1-215-421-00 | METAL       | 1K 1% 1/4W    |
| R666     | 1-247-887-00 | CARBON      | 220K 5% 1/4W | R1536    | 1-215-433-00 | METAL       | 3.3K 1% 1/4W  |
| R667     | 1-249-429-11 | CARBON      | 10K 5% 1/4W  | R1537    | 1-247-815-91 | CARBON      | 220 5% 1/4W   |
| R668     | 1-249-429-11 | CARBON      | 10K 5% 1/4W  | R1538    | 1-249-429-11 | CARBON      | 10K 5% 1/4W   |
| R669     | 1-247-807-31 | CARBON      | 100 5% 1/4W  | R1539    | 1-249-428-11 | CARBON      | 8.2K 5% 1/4W  |
| R670     | 1-249-417-11 | CARBON      | 1K 5% 1/4W   | R1540    | 1-249-417-11 | CARBON      | 1K 5% 1/4W    |
| R671     | 1-249-429-11 | CARBON      | 10K 5% 1/4W  | R1541    | 1-247-843-11 | CARBON      | 3.3K 5% 1/4W  |
| R672     | 1-249-417-11 | CARBON      | 1K 5% 1/4W F | R1542    | 1-249-429-11 | CARBON      | 10K 5% 1/4W   |
| R673     | 1-249-425-11 | CARBON      | 4.7K 5% 1/4W | R1543    | 1-249-429-11 | CARBON      | 10K 5% 1/4W   |
| R675     | 1-249-429-11 | CARBON      | 10K 5% 1/4W  | R1544    | 1-249-419-11 | CARBON      | 1.5K 5% 1/4W  |
| R676     | 1-249-417-11 | CARBON      | 1K 5% 1/4W   | R1548    | 1-249-438-11 | CARBON      | 56K 5% 1/4W   |
| R677     | 1-249-417-11 | CARBON      | 1K 5% 1/4W   | R1549    | 1-214-800-11 | METAL       | 2.2 1% 1/2W   |
| R678     | 1-249-425-11 | CARBON      | 4.7K 5% 1/4W | R1550    | 1-215-437-00 | METAL       | 4.7K 1% 1/4W  |
| R679     | 1-247-807-31 | CARBON      | 100 5% 1/4W  | R1551    | 1-249-428-11 | CARBON      | 8.2K 5% 1/4W  |
| R680     | 1-249-429-11 | CARBON      | 10K 5% 1/4W  | R1552    | 1-214-800-11 | METAL       | 2.2 1% 1/2W   |
| R681     | 1-249-429-11 | CARBON      | 10K 5% 1/4W  | R1554    | 1-215-440-00 | METAL       | 6.2K 1% 1/4W  |
| R682     | 1-249-417-11 | CARBON      | 1K 5% 1/4W   | R1555    | 1-247-807-31 | CARBON      | 100 5% 1/4W   |
| R683     | 1-249-417-11 | CARBON      | 1K 5% 1/4W   | R1556    | 1-247-863-91 | CARBON      | 22K 5% 1/4W   |
| R684     | 1-249-425-11 | CARBON      | 4.7K 5% 1/4W | R1557    | 1-249-429-11 | CARBON      | 10K 5% 1/4W   |
| R685     | 1-249-417-11 | CARBON      | 1K 5% 1/4W   | R1558    | 1-249-429-11 | CARBON      | 10K 5% 1/4W   |
| R686     | 1-215-445-00 | METAL       | 10K 1% 1/4W  | R1559    | 1-215-857-11 | METAL OXIDE | 10 5% 1W F    |
| R687     | 1-215-429-00 | METAL       | 2.2K 1% 1/4W | R1560    | 1-215-888-00 | METAL OXIDE | 220 5% 2W F   |
| R688     | 1-215-429-00 | METAL       | 2.2K 1% 1/4W | R1561    | 1-249-429-11 | CARBON      | 10K 5% 1/4W   |
| R689     | 1-249-417-11 | CARBON      | 1K 5% 1/4W   | R1562    | 1-249-429-11 | CARBON      | 10K 5% 1/4W   |
| R690     | 1-215-437-00 | METAL       | 4.7K 1% 1/4W | R1563    | 1-249-429-11 | CARBON      | 10K 5% 1/4W   |
| R691     | 1-249-417-11 | CARBON      | 1K 5% 1/4W   | R1564    | 1-215-445-00 | METAL       | 10K 1% 1/4W   |
| R1501    | 1-214-800-11 | METAL       | 2.2 1% 1/2W  | R1565    | 1-249-429-11 | CARBON      | 10K 5% 1/4W   |
| R1502    | 1-214-800-11 | METAL       | 2.2 1% 1/2W  | R1566    | 1-249-427-11 | CARBON      | 6.8K 5% 1/4W  |
| R1503    | 1-215-421-00 | METAL       | 1K 1% 1/4W   | R1567    | 1-247-863-91 | CARBON      | 22K 5% 1/4W   |
| R1504    | 1-215-433-00 | METAL       | 3.3K 1% 1/4W | R1568    | 1-249-429-11 | CARBON      | 10K 5% 1/4W   |
| R1505    | 1-247-815-91 | CARBON      | 220 5% 1/4W  | R1570    | 1-249-383-11 | CARBON      | 1.5 5% 1/4W F |
| R1506    | 1-247-815-91 | CARBON      | 220 5% 1/4W  | R1576    | 1-249-429-11 | CARBON      | 10K 5% 1/4W   |
| R1507    | 1-215-433-00 | METAL       | 3.3K 1% 1/4W | R1577    | 1-215-437-00 | METAL       | 4.7K 1% 1/4W  |
| R1508    | 1-215-421-00 | METAL       | 1K 1% 1/4W   | R1582    | 1-249-421-11 | CARBON      | 2.2K 5% 1/4W  |
| R1509    | 1-214-800-11 | METAL       | 2.2 1% 1/2W  | R1583    | 1-247-807-31 | CARBON      | 100 5% 1/4W   |
| R1510    | 1-214-800-11 | METAL       | 2.2 1% 1/2W  | R1584    | 1-247-863-91 | CARBON      | 22K 5% 1/4W   |
| R1511    | 1-214-800-11 | METAL       | 2.2 1% 1/2W  | R1585    | 1-215-440-00 | METAL       | 6.2K 1% 1/4W  |
| R1512    | 1-214-800-11 | METAL       | 2.2 1% 1/2W  | R1587    | 1-249-414-11 | CARBON      | 560 5% 1/4W   |
| R1513    | 1-215-421-00 | METAL       | 1K 1% 1/4W   | R1588    | 1-249-414-11 | CARBON      | 560 5% 1/4W   |
| R1514    | 1-215-433-00 | METAL       | 3.3K 1% 1/4W | R1589    | 1-249-414-11 | CARBON      | 560 5% 1/4W   |
| R1515    | 1-247-815-91 | CARBON      | 220 5% 1/4W  | R1590    | 1-249-414-11 | CARBON      | 560 5% 1/4W   |
| R1516    | 1-249-429-11 | CARBON      | 10K 5% 1/4W  | R1591    | 1-249-414-11 | CARBON      | 560 5% 1/4W   |
| R1517    | 1-247-887-00 | CARBON      | 220K 5% 1/4W | R1592    | 1-249-414-11 | CARBON      | 560 5% 1/4W   |
| R1518    | 1-249-429-11 | CARBON      | 10K 5% 1/4W  | R1593    | 1-216-475-11 | METAL OXIDE | 120 5% 3W F   |
| R1519    | 1-249-437-11 | CARBON      | 47K 5% 1/4W  | R1594    | 1-216-475-11 | METAL OXIDE | 120 5% 3W F   |
| R1522    | 1-214-800-11 | METAL       | 2.2 1% 1/2W  | R1595    | 1-216-475-11 | METAL OXIDE | 120 5% 3W F   |
| R1523    | 1-214-800-11 | METAL       | 2.2 1% 1/2W  | R1596    | 1-216-475-11 | METAL OXIDE | 120 5% 3W F   |
| R1524    | 1-215-421-00 | METAL       | 1K 1% 1/4W   | R1597    | 1-216-475-11 | METAL OXIDE | 120 5% 3W F   |
| R1525    | 1-215-433-00 | METAL       | 3.3K 1% 1/4W | R1598    | 1-216-475-11 | METAL OXIDE | 120 5% 3W F   |
| R1526    | 1-247-815-91 | CARBON      | 220 5% 1/4W  | R1599    | 1-249-429-11 | CARBON      | 10K 5% 1/4W   |
| R1527    | 1-247-815-91 | CARBON      | 220 5% 1/4W  | R1600    | 1-247-807-31 | CARBON      | 100 5% 1/4W   |
| R1528    | 1-215-433-00 | METAL       | 3.3K 1% 1/4W | R1601    | 1-249-437-11 | CARBON      | 47K 5% 1/4W   |
| R1529    | 1-215-421-00 | METAL       | 1K 1% 1/4W   | R1602    | 1-247-807-31 | CARBON      | 100 5% 1/4W   |
| R1530    | 1-214-800-11 | METAL       | 2.2 1% 1/2W  | R1603    | 1-249-418-11 | CARBON      | 1.2K 5% 1/4W  |
| R1531    | 1-214-800-11 | METAL       | 2.2 1% 1/2W  |          |              |             |               |

Les composants identifiés par une trame et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark  are critical for safety. Replace only with part number specified.

**KP-48V80/53V80/61V80**

**RM-Y905 RM-Y905 RM-Y905**



| REF. NO. | PART NO.       | DESCRIPTION                       | REMARK |    |      | REF. NO. | PART NO.       | DESCRIPTION                   | REMARK |  |  |
|----------|----------------|-----------------------------------|--------|----|------|----------|----------------|-------------------------------|--------|--|--|
| R1604    | 1-249-429-11   | CARBON                            | 10K    | 5% | 1/4W | CN706    | 1-695-915-11   | TAB (CONTACT)                 |        |  |  |
| R1610    | 1-247-807-31   | CARBON                            | 100    | 5% | 1/4W |          |                |                               |        |  |  |
| R1611    | 1-247-807-31   | CARBON                            | 100    | 5% | 1/4W |          |                |                               |        |  |  |
| R1612    | 1-249-429-11   | CARBON                            | 10K    | 5% | 1/4W |          |                | <DIODE>                       |        |  |  |
| R1613    | 1-249-429-11   | CARBON                            | 10K    | 5% | 1/4W | D705     | 8-719-991-33   | DIODE 1SS133T-77              |        |  |  |
|          |                |                                   |        |    |      | D706     | 8-719-991-33   | DIODE 1SS133T-77              |        |  |  |
|          |                | <RELAY>                           |        |    |      | D707     | 8-719-991-33   | DIODE 1SS133T-77              |        |  |  |
| RY601    | △ 1-755-266-11 | RELAY, AC POWER                   |        |    |      | D708     | 8-719-991-33   | DIODE 1SS133T-77              |        |  |  |
|          |                |                                   |        |    |      | D709     | 8-719-991-33   | DIODE 1SS133T-77              |        |  |  |
|          |                | <TRANSFORMER>                     |        |    |      |          |                | <COIL>                        |        |  |  |
| T501     | △ 1-433-836-11 | TRANSFORMER, HORIZONTAL DRIVE     |        |    |      | L701     | 1-414-188-41   | INDUCTOR 68UH                 |        |  |  |
| T502     | △ 1-433-876-11 | TRANSFORMER, FERRITE (PMT)        |        |    |      | L702     | 1-414-223-11   | INDUCTOR 470UH                |        |  |  |
| T504     | △ X-4560-164-1 | FBT ASSY, NX-4007                 |        |    |      |          |                |                               |        |  |  |
| T601     | △ 1-433-871-11 | TRANSFORMER, CONVERTER (PIT)      |        |    |      |          |                | <NEONLAMP>                    |        |  |  |
| T602     | △ 1-433-844-11 | TRANSFORMER, CONVERTER            |        |    |      |          |                |                               |        |  |  |
| T603     | △ 1-429-992-21 | TRANSFORMER, CONVERTER (PRT)      |        |    |      | NL701    | 1-517-778-21   | LAMP, NEON                    |        |  |  |
|          |                | <THERMISTOR>                      |        |    |      |          |                | <TRANSISTOR>                  |        |  |  |
| TH1501   | 1-807-925-11   | THERMISTOR                        |        |    |      | Q704     | 8-729-119-78   | TRANSISTOR 2SC2785-HFE        |        |  |  |
|          |                | <TESTPIN>                         |        |    |      | Q705     | 8-729-326-11   | TRANSISTOR 2SC2611            |        |  |  |
| TP501    | * 1-535-881-21 | TERMINAL, TP (AUTO INSERTION)     |        |    |      | Q706     | 8-729-200-17   | TRANSISTOR 2SA1091-O          |        |  |  |
|          |                | <VARISTOR>                        |        |    |      |          |                | <RESISTOR>                    |        |  |  |
| VDR601   | △ 1-801-073-31 | VARISTOR TNR14V471K660            |        |    |      | R701     | 1-219-743-11   | CARBON 100 5% 1/2W            |        |  |  |
| *****    |                |                                   |        |    |      | R702     | 1-260-132-11   | CARBON 560K 5% 1/2W           |        |  |  |
|          |                | * A-1331-922-A CR BOARD, COMPLETE |        |    |      | R703     | 1-216-486-00   | METAL OXIDE 8.2K 5% 3W F      |        |  |  |
|          |                | *****                             |        |    |      | R704     | 1-215-476-00   | METAL 200K 1% 1/4W            |        |  |  |
|          | 4-382-854-11   | SCREW(M3X10), P, SW (+)           |        |    |      | R711     | 1-247-807-31   | CARBON 100 5% 1/4W            |        |  |  |
|          |                | <CAPACITOR>                       |        |    |      | R712     | 1-249-404-00   | CARBON 82 5% 1/4W             |        |  |  |
| C701     | 1-104-570-11   | CERAMIC 0.001MF 10% 2KV           |        |    |      | R713     | 1-216-486-00   | METAL OXIDE 8.2K 5% 3W F      |        |  |  |
| C703     | 1-104-664-11   | ELECT 47MF 20% 25V                |        |    |      | R714     | 1-249-393-11   | CARBON 10 5% 1/4W             |        |  |  |
| C706     | 1-102-114-00   | CERAMIC 470PF 10% 50V             |        |    |      | R715     | 1-249-419-11   | CARBON 1.5K 5% 1/4W           |        |  |  |
| C708     | 1-102-113-00   | CERAMIC 390PF 10% 50V             |        |    |      | R718     | 1-260-133-11   | CARBON 680K 5% 1/2W           |        |  |  |
| C709     | 1-101-880-00   | CERAMIC 47PF 5% 50V               |        |    |      | R719     | 1-249-425-11   | CARBON 4.7K 5% 1/4W           |        |  |  |
| C710     | 1-162-115-00   | CERAMIC 330PF 10% 2KV             |        |    |      | R720     | 1-260-099-11   | CARBON 1K 5% 1/2W             |        |  |  |
| C711     | 1-161-830-00   | CERAMIC 0.0047MF 500V             |        |    |      | R721     | 1-260-099-11   | CARBON 1K 5% 1/2W             |        |  |  |
| C712     | 1-107-662-11   | ELECT 22MF 20% 250V               |        |    |      | R722     | 1-260-087-11   | CARBON 100 5% 1/2W            |        |  |  |
|          |                | <CONNECTOR>                       |        |    |      |          |                | <SPARKGAP>                    |        |  |  |
| CN701    | * 1-564-507-11 | PLUG, CONNECTOR 4P                |        |    |      | SG701    | 1-519-422-11   | GAP, SPARK                    |        |  |  |
| CN702    | * 1-564-512-11 | PLUG, CONNECTOR 9P                |        |    |      | SG702    | 1-519-422-11   | GAP, SPARK                    |        |  |  |
| CN703    | 1-785-879-11   | CONNECTOR, ONE TOUCH              |        |    |      |          |                | <TESTPIN>                     |        |  |  |
| CN704    | △ 1-251-182-11 | SOCKET, CRT                       |        |    |      | TP701    | * 1-535-881-21 | TERMINAL, TP (AUTO INSERTION) |        |  |  |
| CN705    | 1-695-915-11   | TAB (CONTACT)                     |        |    |      | *****    |                |                               |        |  |  |

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Les composants identifiés par une trame et une marque sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark are critical for safety. Replace only with part number specified.

| REF. NO.                                   | PART NO.       | DESCRIPTION          | REMARK           | REF. NO.     | PART NO.     | DESCRIPTION            | REMARK         |
|--|----------------|----------------------|------------------|--------------|--------------|------------------------|----------------|
| * A-1331-923-A CG BOARD, COMPLETE<br>***** |                |                      |                  | L1301        | 1-414-187-11 | INDUCTOR               | 47UH           |
| 4-382-854-11 SCREW(M3X10), P, SW (+)       |                |                      |                  | L1302        | 1-414-187-11 | INDUCTOR               | 47UH           |
| <CAPACITOR>                                |                |                      |                  | <NEONLAMP>   |              |                        |                |
| C731                                       | 1-104-664-11   | ELECT                | 47MF 20% 25V     | NL731        | 1-517-778-21 | LAMP, NEON             |                |
| C732                                       | 1-104-570-11   | CERAMIC              | 0.001MF 10% 2KV  | <TRANSISTOR> |              |                        |                |
| C733                                       | 1-102-114-00   | CERAMIC              | 470PF 10% 50V    | Q731         | 8-729-119-78 | TRANSISTOR 2SC2785-HFE |                |
| C734                                       | 1-102-114-00   | CERAMIC              | 470PF 10% 50V    | Q732         | 8-729-326-11 | TRANSISTOR 2SC2611     |                |
| C735                                       | 1-101-880-00   | CERAMIC              | 47PF 5% 50V      | Q733         | 8-729-200-17 | TRANSISTOR 2SA1091-O   |                |
| C736                                       | 1-161-830-00   | CERAMIC              | 0.0047MF 500V    | Q734         | 8-729-119-76 | TRANSISTOR 2SA1175-HFE |                |
| C737                                       | 1-162-115-00   | CERAMIC              | 330PF 10% 2KV    | Q1301        | 8-729-017-06 | TRANSISTOR 2SC4793     |                |
| C738                                       | 1-107-662-11   | ELECT                | 22MF 20% 250V    | Q1302        | 8-729-017-05 | TRANSISTOR 2SA1837     |                |
| C1301                                      | 1-106-343-00   | MYLAR                | 0.001MF 10% 200V | Q1303        | 8-729-119-76 | TRANSISTOR 2SA1175-HFE |                |
| C1302                                      | 1-107-639-11   | ELECT                | 47MF 20% 160V    | Q1304        | 8-729-119-78 | TRANSISTOR 2SC2785-HFE |                |
| C1303                                      | 1-126-933-11   | ELECT                | 100MF 20% 16V    | Q1305        | 8-729-119-78 | TRANSISTOR 2SC2785-HFE |                |
| C1305                                      | 1-126-933-11   | ELECT                | 100MF 20% 16V    | Q1306        | 8-729-119-78 | TRANSISTOR 2SC2785-HFE |                |
| C1308                                      | 1-106-383-00   | MYLAR                | 0.047MF 10% 200V | <RESISTOR>   |              |                        |                |
| C1309                                      | 1-106-383-00   | MYLAR                | 0.047MF 10% 200V | R731         | 1-219-743-11 | CARBON                 | 100 5% 1/2W    |
| C1310                                      | 1-126-960-11   | ELECT                | 1MF 20% 50V      | R732         | 1-260-132-11 | CARBON                 | 560K 5% 1/2W   |
| C1312                                      | 1-161-830-00   | CERAMIC              | 0.0047MF 500V    | R733         | 1-247-807-31 | CARBON                 | 100 5% 1/4W    |
| C1313                                      | 1-102-129-00   | CERAMIC              | 0.01MF 10% 50V   | R734         | 1-260-087-11 | CARBON                 | 100 5% 1/2W    |
| C1314                                      | 1-102-129-00   | CERAMIC              | 0.01MF 10% 50V   | R735         | 1-249-403-11 | CARBON                 | 68 5% 1/4W     |
| C1315                                      | 1-126-933-11   | ELECT                | 100MF 20% 16V    | R736         | 1-216-486-00 | METAL OXIDE            | 8.2K 5% 3W F   |
| <CONNECTOR>                                |                |                      |                  | R737         | 1-249-393-11 | CARBON                 | 10 5% 1/4W     |
| CN731                                      | * 1-564-512-11 | PLUG, CONNECTOR 9P   |                  | R738         | 1-249-414-11 | CARBON                 | 560 5% 1/4W    |
| CN732                                      | * 1-564-507-11 | PLUG, CONNECTOR 4P   |                  | R739         | 1-216-486-00 | METAL OXIDE            | 8.2K 5% 3W F   |
| CN733                                      | * 1-564-508-11 | PLUG, CONNECTOR 5P   |                  | R741         | 1-249-425-11 | CARBON                 | 4.7K 5% 1/4W   |
| CN734                                      | * 1-564-513-11 | PLUG, CONNECTOR 10P  |                  | R742         | 1-260-099-11 | CARBON                 | 1K 5% 1/2W     |
| CN735                                      | * 1-564-512-11 | PLUG, CONNECTOR 9P   |                  | R743         | 1-215-466-00 | METAL                  | 75K 1% 1/4W    |
| CN736                                      | * 1-564-512-11 | PLUG, CONNECTOR 9P   |                  | R744         | 1-260-133-11 | CARBON                 | 680K 5% 1/2W   |
| CN737                                      | 1-785-879-11   | CONNECTOR, ONE TOUCH |                  | R745         | 1-260-099-11 | CARBON                 | 1K 5% 1/2W     |
| CN738                                      | 1-695-915-11   | TAB (CONTACT)        |                  | R746         | 1-249-437-11 | CARBON                 | 47K 5% 1/4W    |
| CN739                                      | 1-695-915-11   | TAB (CONTACT)        |                  | R747         | 1-249-438-11 | CARBON                 | 56K 5% 1/4W    |
| CN740                                      | 1-251-182-11   | SOCKET, CRT          |                  | R1301        | 1-215-916-00 | METAL OXIDE            | 680 5% 3W F    |
| CN1301                                     | * 1-564-506-11 | PLUG, CONNECTOR 3P   |                  | R1302        | 1-215-916-00 | METAL OXIDE            | 680 5% 3W F    |
| CN1302                                     | * 1-564-506-11 | PLUG, CONNECTOR 3P   |                  | R1303        | 1-249-400-11 | CARBON                 | 39 5% 1/4W F   |
| CN1303                                     | * 1-564-506-11 | PLUG, CONNECTOR 3P   |                  | R1304        | 1-249-391-11 | CARBON                 | 6.8 5% 1/4W F  |
| CN1304                                     | * 1-564-509-11 | PLUG, CONNECTOR 6P   |                  | R1305        | 1-249-391-11 | CARBON                 | 6.8 5% 1/4W F  |
| <DIODE>                                    |                |                      |                  | R1306        | 1-249-429-11 | CARBON                 | 10K 5% 1/4W    |
| D731                                       | 8-719-991-33   | DIODE 1SS133T-77     |                  | R1307        | 1-260-311-11 | CARBON                 | 39 5% 1/2W     |
| D732                                       | 8-719-991-33   | DIODE 1SS133T-77     |                  | R1308        | 1-249-419-11 | CARBON                 | 1.5K 5% 1/4W   |
| D733                                       | 8-719-991-33   | DIODE 1SS133T-77     |                  | R1310        | 1-249-441-11 | CARBON                 | 100K 5% 1/4W   |
| D734                                       | 8-719-991-33   | DIODE 1SS133T-77     |                  | R1311        | 1-249-419-11 | CARBON                 | 1.5K 5% 1/4W F |
| D735                                       | 8-719-991-33   | DIODE 1SS133T-77     |                  | R1314        | 1-249-419-11 | CARBON                 | 1.5K 5% 1/4W   |
| D736                                       | 8-719-109-84   | DIODE RD5.1ESB1      |                  | R1315        | 1-249-399-11 | CARBON                 | 33 5% 1/4W     |
| D1304                                      | 8-719-991-33   | DIODE 1SS133T-77     |                  | R1319        | 1-249-413-11 | CARBON                 | 470 5% 1/4W    |
| <COIL>                                     |                |                      |                  | R1321        | 1-249-406-11 | CARBON                 | 120 5% 1/4W    |
| L731                                       | 1-414-188-41   | INDUCTOR             | 68UH             | R1323        | 1-249-377-11 | CARBON                 | 0.47 5% 1/4W F |
| L732                                       | 1-414-223-11   | INDUCTOR             | 470UH            | R1324        | 1-249-421-11 | CARBON                 | 2.2K 5% 1/4W   |
|  |                |                      |                  | R1325        | 1-249-427-11 | CARBON                 | 6.8K 5% 1/4W   |
|  |                |                      |                  | R1327        | 1-249-441-11 | CARBON                 | 100K 5% 1/4W   |
|  |                |                      |                  | R1328        | 1-249-435-11 | CARBON                 | 33K 5% 1/4W    |

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**KP-48V80/53V80/61V80**

**RM-Y905 RM-Y905 RM-Y905**

**CG**

**CB**

**HC**


| REF. NO.  | PART NO.                | DESCRIPTION                   | REMARK |
|---|-------------------------|-------------------------------|--------|
| <SPARKGAP>  |                         |                               |        |
| SG731   | 1-519-422-11            | GAP, SPARK                    |        |
| SG732   | 1-519-422-11            | GAP, SPARK                    |        |
| <TESTPIN>   |                         |                               |        |
| TP731   | * 1-535-881-21          | TERMINAL, TP (AUTO INSERTION) |        |
| TP732   | * 1-535-881-21          | TERMINAL, TP (AUTO INSERTION) |        |
| TP733   | * 1-535-881-21          | TERMINAL, TP (AUTO INSERTION) |        |
| *****   |                         |                               |        |
| * A-1331-924-A CB BOARD, COMPLETE   |                         |                               |        |
| *****   |                         |                               |        |
| 4-382-854-11  | SCREW(M3X10), P, SW (+) |                               |        |
| <CAPACITOR>   |                         |                               |        |
| C761  | 1-104-664-11            | ELECT 47MF 20% 25V            |        |
| C762  | 1-104-570-11            | CERAMIC 0.001MF 10% 2KV       |        |
| C763  | 1-102-114-00            | CERAMIC 470PF 10% 50V         |        |
| C764  | 1-102-112-00            | CERAMIC 330PF 10% 50V         |        |
| C765  | 1-101-880-00            | CERAMIC 47PF 5% 50V           |        |
| C767  | 1-162-115-00            | CERAMIC 330PF 10% 2KV         |        |
| C768  | 1-126-964-11            | ELECT 10MF 20% 50V            |        |
| C769  | 1-161-830-00            | CERAMIC 0.0047MF 500V         |        |
| C770  | 1-107-662-11            | ELECT 22MF 20% 250V           |        |
| <CONNECTOR>   |                         |                               |        |
| CN761   | * 1-564-508-11          | PLUG, CONNECTOR 5P            |        |
| CN762   | * 1-564-512-11          | PLUG, CONNECTOR 9P            |        |
| CN763   | 1-785-879-11            | CONNECTOR, ONE TOUCH          |        |
| CN764   | 1-695-915-11            | TAB (CONTACT)                 |        |
| CN765   | 1-695-915-11            | TAB (CONTACT)                 |        |
| CN766  | 1-251-182-11            | SOCKET, CRT                   |        |
| <DIODE>   |                         |                               |        |
| D761  | 8-719-991-33            | DIODE 1SS133T-77              |        |
| D762  | 8-719-991-33            | DIODE 1SS133T-77              |        |
| D763  | 8-719-991-33            | DIODE 1SS133T-77              |        |
| D764  | 8-719-991-33            | DIODE 1SS133T-77              |        |
| D765  | 8-719-991-33            | DIODE 1SS133T-77              |        |
| <COIL>  |                         |                               |        |
| L761  | 1-414-188-41            | INDUCTOR 68UH                 |        |
| L762  | 1-414-223-11            | INDUCTOR 470UH                |        |
| <NEONLAMP>  |                         |                               |        |
| NL761   | 1-517-778-21            | LAMP, NEON                    |        |


| REF. NO.                          | PART NO.       | DESCRIPTION                   | REMARK |
|-----------------------------------|----------------|-------------------------------|--------|
| <TRANSISTOR>                      |                |                               |        |
| Q761                              | 8-729-119-78   | TRANSISTOR 2SC2785-HFE        |        |
| Q762                              | 8-729-326-11   | TRANSISTOR 2SC2611            |        |
| Q763                              | 8-729-119-76   | TRANSISTOR 2SA1175-HFE        |        |
| Q764                              | 8-729-200-17   | TRANSISTOR 2SA1091-O          |        |
| <RESISTOR>                        |                |                               |        |
| R761                              | 1-219-743-11   | CARBON 100 5% 1/2W            |        |
| R762                              | 1-260-132-11   | CARBON 560K 5% 1/2W           |        |
| R763                              | 1-247-807-31   | CARBON 100 5% 1/4W            |        |
| R764                              | 1-216-486-00   | METAL OXIDE 8.2K 5% 3W F      |        |
| R765                              | 1-247-807-31   | CARBON 100 5% 1/4W            |        |
| R766                              | 1-216-486-00   | METAL OXIDE 8.2K 5% 3W F      |        |
| R767                              | 1-249-393-11   | CARBON 10 5% 1/4W             |        |
| R768                              | 1-249-418-11   | CARBON 1.2K 5% 1/4W           |        |
| R770                              | 1-249-404-00   | CARBON 82 5% 1/4W             |        |
| R771                              | 1-249-426-11   | CARBON 5.6K 5% 1/4W           |        |
| R772                              | 1-249-435-11   | CARBON 33K 5% 1/4W            |        |
| R773                              | 1-260-099-11   | CARBON 1K 5% 1/2W             |        |
| R775                              | 1-249-425-11   | CARBON 4.7K 5% 1/4W           |        |
| R776                              | 1-260-133-11   | CARBON 680K 5% 1/2W           |        |
| R777                              | 1-260-099-11   | CARBON 1K 5% 1/2W             |        |
| R779                              | 1-260-087-11   | CARBON 100 5% 1/2W            |        |
| <SPARKGAP>                        |                |                               |        |
| SG761                             | 1-519-422-11   | GAP, SPARK                    |        |
| SG762                             | 1-519-422-11   | GAP, SPARK                    |        |
| <TESTPIN>                         |                |                               |        |
| TP761                             | * 1-535-881-21 | TERMINAL, TP (AUTO INSERTION) |        |
| *****                             |                |                               |        |
| * A-1372-618-A HC BOARD, COMPLETE |                |                               |        |
| *****                             |                |                               |        |
| <CAPACITOR>                       |                |                               |        |
| C1291                             | 1-126-791-11   | ELECT 10MF 20% 16V            |        |
| <CONNECTOR>                       |                |                               |        |
| CN1291                            | * 1-564-518-11 | PLUG, CONNECTOR 3P            |        |
| <DIODE>                           |                |                               |        |
| D1291                             | 8-719-066-43   | DIODE GP1U28Y                 |        |
| D1292                             | 8-719-109-89   | DIODE RD5.6ESB2               |        |
| D1293                             | 8-719-109-89   | DIODE RD5.6ESB2               |        |



Table with 5 columns: REF. NO., PART NO., DESCRIPTION, and two blank columns. It lists components for the HA BOARD, including resistors (R1291, R1201-R1205, R1206), diodes (D1201), switches (S1201-S1207), and capacitors (C1251-C1255). It also includes assembly instructions for the HA and HB boards.



















Table with 5 columns: REF. NO., PART NO., DESCRIPTION, and two blank columns. It lists components for the S BOARD, including diodes (D1251-D1255, D1256, D3001), a jack (J1251), resistors (R1251-R1260), and switches (S1251-S1255). It also includes assembly instructions for the S board and a battery (S3001).

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# KP-48V80/53V80/61V80

RM-Y905 RM-Y905 RM-Y905

| REF. NO. | PART NO.  | DESCRIPTION                                     | REMARK |
|----------|---|---|--------|
|          |   | MISCELLANEOUS<br>*****                          |        |
|          |    | 1-223-925-11 RESISTOR ASSY (FOCUS PACK)         |        |
|          |    | 1-451-469-21 COIL ASSY, VM (53/61V80)           |        |
|          |    | 1-451-496-11 DEFLECTION YOKE (48V80)            |        |
|          |    | 1-451-497-21 DEFLECTION YOKE (53/61V80)         |        |
|          |    | 1-452-790-21 NECK ASSY (48V80)                  |        |
|          |    | 1-452-909-31 MAGNET ASSY, 4 POLE (48V80)        |        |
|          |   | 1-529-401-11 SPEAKER (13cm) (48/53V80)          |        |
|          |   | 1-529-402-11 SPEAKER (16cm) (61V80)             |        |
|          |   | 1-529-403-21 SPEAKER (6.6cm)                    |        |
|          |   | 1-556-945-21 CABLE, P-P                         |        |
|          | *   | 1-557-056-31 CABLE, P-P                         |        |
|          |    | 1-790-130-11 CORD, AC POWER(WITH CONNECTOR)     |        |
|          |    | 8-598-955-30 BLOCK ASSY, HIGH-VOLTAGE           |        |
|          |    | 8-733-570-05 CRT 07MXC2(G) (48V80)              |        |
|          |    | 8-733-572-05 CRT 07MXC3(R) (48V80)              |        |
|          |    | 8-733-575-05 CRT 07MAC3(B) (48V80)              |        |
|          |    | A-1501-277-A CRT COUPLER (B) ASSY (53V80)       |        |
|          |    | A-1501-278-A CRT COUPLER (R) ASSY (53V80)       |        |
|          |    | A-1501-279-A CRT COUPLER (G) ASSY (53V80)       |        |
|          |    | A-1501-520-A CRT COUPLER (B) ASSY (61V80)       |        |
|          |   | A-1501-521-A CRT COUPLER (R) ASSY (61V80)       |        |
|          |  | A-1501-522-A CRT COUPLER (G) ASSY (61V80)       |        |
|          |  | X-4560-164-1 FLAY BACK TRANS ASSY, NX4007//J1P4 |        |
|          |   | (T504)  |        |

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## ACCESSORIES AND PACKING MATERIALS

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- 3-866-564-11 MANUAL, INSTRUCTION
- 3-866-564-21 MANUAL, INSTRUCTION
- 3-866-564-31 MANUAL, INSTRUCTION
- 3-866-564-41 MANUAL, INSTRUCTION
- \* 4-041-426-01 BAG, PROTECTION (53/61V80)
- \* 4-042-463-01 SHEET, PROTECTION (53/61V80)
- \* 4-069-573-01 INDIVIDUAL CARTON (53V80)
- \* 4-069-574-01 BOARD, BOTTOM(53V80)
- \* 4-069-575-01 TRAY (53V80)
- \* 4-069-576-01 CUSHION (UPPER) (ASSY) (53V80)
- \* 4-069-577-01 CUSHION (LOWER) (ASSY) (53V80)
- \* 4-069-582-01 INDIVIDUAL CARTON (61V80)
- \* 4-069-583-01 BOARD, BOTTOM(61V80)
- \* 4-069-584-01 TRAY (61V80)
- \* 4-069-585-01 CUSHION (UPPER) (ASSY) (61V80)

| REF. NO. | PART NO.     | DESCRIPTION                    | REMARK |
|----------|--------------|--------------------------------|--------|
| *        | 4-069-586-01 | CUSHION (LOWER) (ASSY) (61V80) |        |
|          | 4-071-401-01 | PARTITION (27-G-1) (53V80)     |        |
|          | 4-071-402-01 | PARTITION (27-G-2) (53V80)     |        |
|          | 4-071-403-01 | SHEET, C.F.B. (53V80)          |        |
|          | 4-071-404-01 | CUSHION (53V80)                |        |
|          | 4-071-405-01 | HOLDER (53V80)                 |        |
|          | 4-071-406-01 | TRAY (53V80)                   |        |
|          | 4-071-407-01 | BASE TRAY (53V80)              |        |
|          | 4-071-421-01 | CARTON, SUB (53V80)            |        |
|          | X-4036-896-1 | PARTITION ASSY (53V80)         |        |
|          |              | REMOTE COMMANDER<br>*****      |        |
|          | 1-418-468-11 | REMOTE COMMANDER (RM-Y905)     |        |
|          | 4-978-977-01 | COVER, BATTERY (FOR RM-Y905)   |        |







**KP-48V80/53V80/61V80**  
RM-Y905 RM-Y905 RM-Y905